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MAGNOLIA SEEDS ARE GOOD SEEDS

Magnolia

SEED COMPANY



DALLAS 1, TEXAS • ERVAY AND PACIFIC • P.O. BOX 748

1947

Magnolia Seeds

ARE GOOD SEEDS



Scabiosa—Blue Moon—Page 26

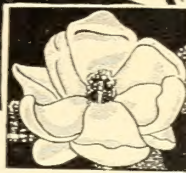


You are invited to shop leisurely and fully within the pages of this catalog. This book is expressly for your convenience in ordering any of the many items your needs require. You'll find complete lines of vegetables, flower and field seeds as well as many new merchandise items hitherto unobtainable.

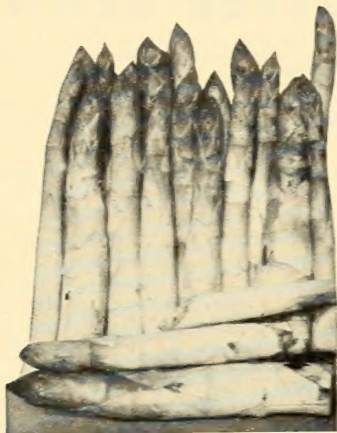
If you wish additional information or larger quantity prices on any items found on these pages please write us and we'll gratefully answer your letters. We promise prompt service and good merchandise. Why not use the convenient order blank today.

Magnolia

VEGETABLES



Seeds



ASPARAGUS

Easy to Grow—and Fits into Many Delicious Menus

SEED CULTURE—Soak the seed at least 24 hours before planting. Sow in spring or fall in rows 3 feet apart. Cover seed about 1 inch. When plants are well established thin to about one inch apart. By the following spring, roots will be ready for setting in the permanent bed. One ounce of seed to 100 feet of drill. 1 pound will plant an acre. One ounce will produce 300 plants. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

ROOT CULTURE—The soil for asparagus must be well drained, and should be worked to a depth of 16 or 18 inches. After first year, use a liberal dressing of peat moss and Vigoro. Dig trenches about 6 inches deep and place roots about 18 inches apart. Rows should be at least 4 feet apart. Early in the spring spade a liberal dressing of manure between the rows and apply a little nitrate of soda or ammonia sulphate. It requires 65 roots to 100 ft. of row, 9,750 to acre. To produce heaviest possible root system in the shortest possible time, dust roots before planting with Rootone.

PEST CONTROL—Against Asparagus Beetles use Acme Rotenone Garden Guard, NNOR Garden Spray, or Acme Arsenate of Lead.

Washington Asparagus Seed (2 Years)—Improved strain of rust-resistant quality. Giant size, high yield, straight stalks of fine flavor and rich green color running darker at tip. Very popular with market gardeners.—Pkt. 5c—Oz. 25c— $\frac{1}{4}$ Lb. 70c—Postpaid.

Asparagus Roots (1 Year)—Large, healthy planting size.—Doz. 60c—50 \$2.25—100 \$3.75—Postpaid.

INOCULATE ALL BEANS WITH NITRAGIN "B"

NITRAGIN often increases yields up to 50%, and more. It makes legumes richer in vitally needed protein and helps build soil fertility.

"NITRAGIN D" for BEANS—Snap, Wax, Kidney.

35c worth of Nitratin for 1 bu. (60 lbs.) of seed.

For smaller quantities get 1 pkg. Garden Nitratin—10c.

BEANS

Most Nutritious and Tasty
Right Out of the Garden—
Sow Some Every Few Weeks

GREEN POD BUSH BEANS

CULTURE—Beans are sensitive to both cold and wet and should be planted when the ground has become dry and warm. Plant in drills two to three feet apart for best results.

Cover seed 1 inch deep and thin plants three to six inches apart in row. Up to time of blossoming, cultivate shallow. Mutilation of roots by cultivation after plants have come into bloom causes blossoms to blast, and reduces crop. One pound plants 100 feet, 30 to 50 pounds to an acre. For succession plant every two weeks until mid-summer. Frequent picking results in long bearing. Increase yield up to 50% by inoculating seed before planting with Nitratin "D" or Garden Nitratin.

PEST CONTROL—Against Aphids and Mexican Bean Beetles, use Acme Rotenone Garden Guard, or NNOR Garden Spray.

Tendergreen (New Stringless)—56 days, 6 inches. Enormously prolific, flavorful and tender, medium dark, stringless podded bean, bred for canning purposes. Market growers are enthusiastic about this new bean.

Giant Stringless Green Pod—56 days, 6 inches. Heavy yielding, stringless, meaty and crisp. Extensively used for canning. Recommended to Market Gardeners for quality, salability and ease of picking.

Prices above varieties—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.65—Postpaid.

Landreth Stringless (Improved Burpee)—54 days, 5 inches. Slightly curved pods, fleshy and rich in flavor. Very prolific.



Landreth Stringless



Canning Tendergreen Beans

Fine for snap beans and canning. Good market variety.—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.65—Postpaid.

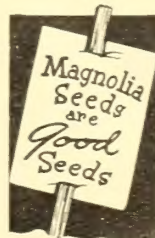
Tennessee Green Pod—52 days, 7 to 8 inches, flat, dark green, meaty, brittle, fine flavor. Popular with market gardeners. May be planted early. Withstands cold and inclement weather, yields heavily.

Bountiful—51 days. Strictly stringless. 8-inch, straight, broad, flat, light green tender pods. Practically rust and mildew proof. Good market variety.

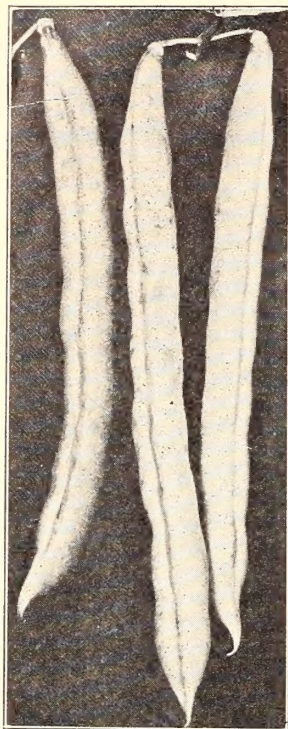
Improved Stringless Red Valentine—54 days, 5-inch curved round pods, old reliable bush bean, hardy, fine flavor, very fleshy, crisp and tender. Stands adverse weather conditions. Good shipper and prolific.

Prices above varieties—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.65—Postpaid.

Mexican Pinto Beans—52 days. A very hardy green pod bush bean—splendid for canning. Heavy producer of broad, light green beans. May be planted early or late.—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.60—Postpaid.



"BLOOD TELLS" in BEAN RAISING



White Creaseback

GREEN POLE

CULTURE—Pole beans are more sensitive to climatic conditions than the bush variety, but are superior in quality and productiveness. When ground is warm set poles 4 to 8 feet long, slanting slightly to the north in rows 4 feet apart, extending north and south, the poles being 3 feet apart in the row, so vines can climb readily and pods can grow straighter and be more easily seen. Around each stake plant 5 to 8 beans, 1 inch deep. When well started, thin to 4 plants. Use $\frac{1}{2}$ pound to 100 poles; 15 to 20 pounds to the acre. Increase yields up to 50% by inoculating with Nitragin "D" or Garden Nitragin.

Kentucky Wonder—65 days. Most popular and widely planted of all pole beans, early and unusually heavy producer. Vines are very vigorous, bearing $8\frac{1}{2}$ -inch pods in large clusters. Pods green, curved, round, meaty and tender. Seed buff brown.

Ideal Market—60 days. Very fine flavored, black seeded, hardy vine bean. Extremely popular with market gardeners, account heavy yields and good shipping qualities. Pods 5 inches, round, slightly curved, stringless, fleshy and tender.

White Creaseback—68 days. Very hardy and productive. Pods, 6 inches, slightly curved, round, slender, brittle and tender. Seed ivory white. A fine market crop. Especially suited to early fall planting. Stringless when young.



Prices above varieties—
Pkt. 10c— $\frac{1}{2}$ Lb. 25c—
Lb. 45c—2 Lbs. 85c—5
Lbs. \$1.85—Postpaid.

JANUARY PLANTING

VEGETABLES

Asparagus,
Beans,
Broccoli,
Brussels
Sprouts,

Cabbage,
Cauliflower,
Collards,
Eggplant,
Kale,

Kohl Rabi,
Lettuce,
Onions,
Peas,
Pepper,

Radish,
Rhubarb,
Tomato.

FIELD

Barley,
Grasses,
Oats,
Peas,
Rape,

Rye,
Wheat.

BUSH LIMA OR BUTTER BEANS

CULTURE—Plant when ground is dry and weather warm in rows 2 feet apart, dropping beans 6 inches apart in row, covering with 1 inch of soil. May also be planted in hills, 3 feet apart one way, 2 feet apart the other way using 4 to 6 beans to the hill. One pound will plant 100 hills, or 100 feet of row; 30 to 50 pounds will plant

an acre. Increase yields up to 50% by inoculating seed before planting with Nitragin "E" or Garden Nitragin.

PEST CONTROL—Against Aphids and Mexican Bean Beetles, use Acme Rotenone Garden Guard or NNOR Garden Spray.

Henderson Bush Lima — 65 days. Most popular bush lima, two weeks, earlier than any of the climbing varieties. True bush type and continues to grow and set pods until stopped by frost. Pods $3\frac{1}{2}$ in., curved, dark green, 3 to 4 beans. Seed small, white and flat. Used extensively for home canning, market and dried.

Prices—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.85—Postpaid

POLE LIMA BEANS

CULTURE—Same as other pole beans except seed planted two weeks later. $\frac{1}{2}$ pound will plant 100 hills; 15 to 20 pounds will plant an acre.

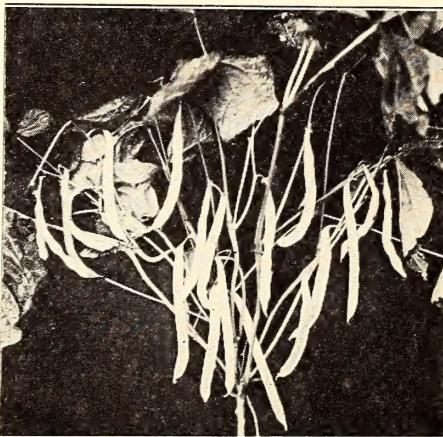
Carolina or Sieva (Small White Lima)—75 days—Very early, heavy yielding, small-seeded lima or butter bean, especially adapted for South. Pods dark green, 3 inches, curved and flat, 2 to 4 beans. Increase yields up to 50% by inoculating seed before planting with Nitragin "E" or Garden Nitragin.

Florida Speckled Butter Bean — 70 days. Very early variety that blooms and bears profusely all season. Pods $3\frac{1}{2}$ inches, 2 to 4 beans, speckled white and purplish brown.

Prices—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 45c—
2 Lbs. 85c—5 Lbs. \$1.85—Postpaid.

GREEN POLE—(Continued)

Striped Creaseback (Cornfield Beans) — 70 days. Very hardy. Plant early enough to get one or two plowings before laying by your corn. Pods 9 inches, round, tender and creaseback. Seed plump, oval, tan with black stripes. Satisfactory for table use.—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.85—Postpaid.



Pencil Pod Black Wax

WAX OR YELLOW POD SNAP BEANS

CULTURE—Same as Green Pod Bush Beans.

Top Notch Golden Wax—50 days. Most popular of wax varieties. Pods about 5 inches, flat, straight, and golden yellow. Compact, vigorous plants, exceptionally prolific. Desirable for home and market.

Pencil-Pod Black Wax — 57 days. Early producing, golden yellow, fleshy and stringless. Round, slightly curved, pod $6\frac{1}{2}$ inches long, black seed. Excellent quality.

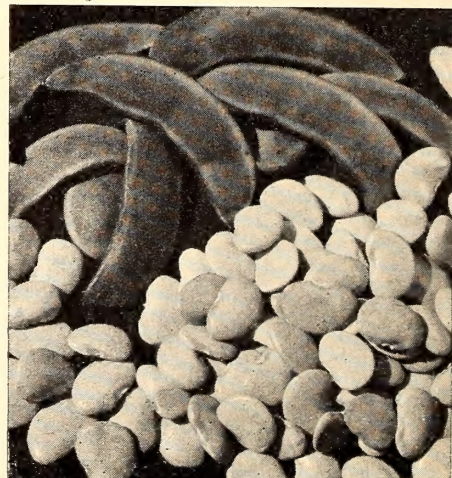
Prices above varieties—Pkt. 10c— $\frac{1}{2}$ Lb. 25c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.85—Postpaid.

Inoculate All Beans With

NITRAGIN

Before Planting—For Greater Yields

NITRAGIN is the oldest, most widely used inoculant. It is produced in the most complete laboratory of its kind in the world. Without the beneficial bacteria that NITRAGIN supplies, legumes may be soil robbers and their growth stunted. Don't gamble—inoculate every pound of legume seed with NITRAGIN—See page 38 for prices.



Lima Beans

TABLE OR GARDEN BEETS

FOR PICKLING, SALADS, CANNING AND MARKET

CULTURE—The best results are obtained on a deep, rich sandy loam. Sow as early as the ground can be prepared in drills 18 inches apart and thin out to 3 to 4 inches in rows. Planting in a succession, you can still be having tender greens when the roots are pulled for canning. Beets are easily stored for use during the winter. Always sow in freshly prepared soil, which should be pressed firmly over the seed. 1 ounce will sow 100 feet, 6 pounds per acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

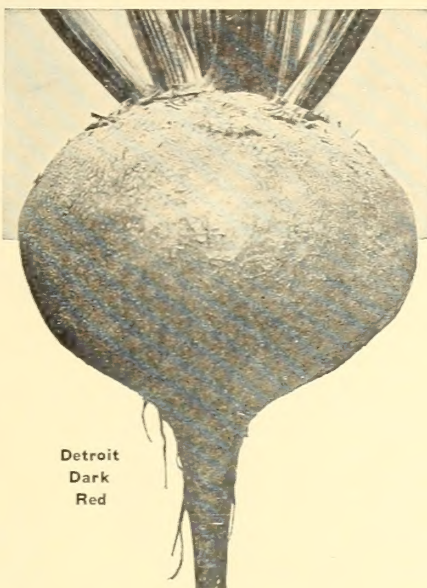
PEST CONTROL—Against Caterpillars use Acme Arsenate of Lead.

Detroit Dark Red—52 to 55 days. One of America's best beets for market and home garden, on account of its uniformly rich blood-red meat, most desirable for canning. Medium size, globular or nearly round, very smooth.—Pkt. 5c—Oz. 15c—¼ Lb. 45c—Lb. \$1.30—Postpaid.

Early Blood Turnip—60 days. Roots nearly round or slightly flattened, and bright red with zonings of lighter shade. A good variety for home garden.

Crosby's Egyptian—50 to 55 days. One of the earliest of all beets. Especially desirable for bunching because of its small top. Flesh dark red, zoned with a lighter shade. Very sweet and tender. The Dallas Market prefers a lighter colored beet, like the Special Crosby, so when growing for the Dallas market, ask for "Special Crosby."

Prices above varieties—Pkt. 5c—Oz. 15c—¼ Lb. 45c—Lb. \$1.30—Postpaid.



Detroit
Dark
Red

Special Crosby—50 to 55 days. A beet bred especially for Dallas market which uses a light colored beet. Similar in every respect to the Crosby Egyptian, light red in stead of dark red.—Pkt. 5c—Oz. 20c—¼ Lb. 60c—Lb. \$1.75—Postpaid.

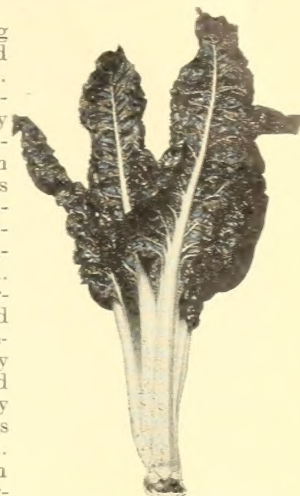
SPINACH BEET or SWISS CHARD

For Greens and Poultry

CULTURE—Like beet except should be thinned to 8 or 10 inches apart. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Caterpillars use Acme Arsenate of Lead.

An outstanding green - leaved Swiss Chard. Leaves are almost identically like that of spinach, dark green in color. Produces greens all summer, being available when spinach cannot be had. Cooked and served as "boiled greens" and preferred by many to spinach. Raised extensively by poultry growers for green feed. Should be in every home garden. Gather outer leaves and inner leaves will continue to grow.—Pkt. 5c—Oz. 10c—¼ Lb. 40c—Lb. \$1.10—Postpaid.



Swiss Chard or
Spinach Beet

BROCCOLI

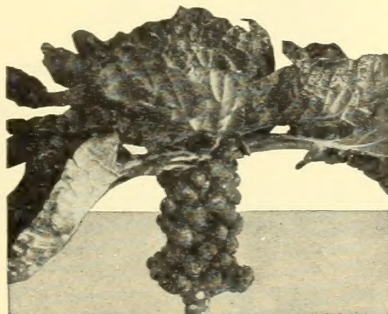


CULTURE—Plant and cultivate broccoli like cabbage. One ounce will produce 5,000 plants. Control seed decay and seedling blight and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids, Cut Worms and Cabbage Worms use NNOR Garden Spray, Acme DuraDust, or Acme Rotenone Garden Guard.

Calabrese Green Sprouting—Broccoli bears a succession of sprouting heads, which, if kept cut continues to form for six to eight weeks. Each Sprout produces a small cauliflower-type head of deep green buds. Can be prepared many ways and especially delicious when buttered or in cream sauce.—Pkt. 10c—Oz. 30c—¼ Lb. 95c—Lb. \$2.90—Postpaid.

BRUSSELS SPROUTS



Brussels Sprouts

CULTURE—Like cabbage. When sprouts begin to form, remove the lower leaves to force all nourishment sent to lower stem into the sprouts. Control seed decay and seedling blight and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids, Cut Worms and Cabbage Worms use NNOR Garden Spray, Acme DuraDust, or Acme Rotenone Garden Guard.

Long Island Improved—Sprouts resemble miniature cabbage, growing closely on the stalk of the plant. Very hardy and will live through the winter in most sections of the South. Served boiled or in cream sauce.—Pkt. 15c—Oz. 60c—¼ Lb. \$2.00—Postpaid.

MAGNOLIA SEEDS ARE PURE BRED AND KEPT IN GOOD CONDITION

Every possible care is taken of Magnolia seeds, from the time they are received from our growers, until you purchase them. We contract the growing of our seeds with specialty growers, who breed and maintain pure strains. Then germination is kept in sound condition through temperature control, and when necessary cold storage. Seeds are kept free from insect and weevil damage, through regular gassing programs. . . . Get **quality** in your seeds, for greater profits . . . It is important to buy them where quality is strictly maintained.

PLANT IN FEBRUARY

VEGETABLES

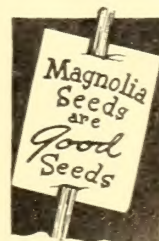
Asparagus,
Beans,
Beets,
Broccoli,
Brussels Sprouts,
Cabbage,
Carrots,
Cauliflower,
Celery,
Collards,
Corn,

Eggplant,
Horseradish,
Kale,
Kohl Rabi,
Lettuce,
Mustard,
Onions,
Parsley,
Parsnips,
Peas,
Pepper,

Potatoes,
Radish,
Rhubarb,
Rutabaga,
Salsify,
Spinach,
Swiss Chard,
Tomato,
Turnips.

FIELD

Alfalfa,
Barley,
Broom Corn,
Sweet Clover,
Grass,
Oats,
Peas,
Rape,
Rye,
Vetch,
Wheat.



MARCH PLANTING

VEGETABLES

Asparagus,	Cucumbers,	Pepper,
Beans,	Dill,	Potatoes,
Beets,	Eggplant,	Pumpkins,
Broccoli,	Horseradish,	Radish,
Brussels Sprouts,	Kale,	Rhubarb,
Cabbage Plants,	Kohl Rabi,	Rutabaga,
Carrots,	Lettuce,	Salsify,
Cantaloupe,	Mustard,	Squash,
Cauliflower,	Okra,	Spinach,
Celery,	Onions,	Tomato,
Collards,	Parsley,	Turnips,
Corn,	Parsnips,	Watermelons.
	Peas, English	

FIELD

Alfalfa,	Kafir,
Barley,	Mangels,
Broom Corn,	Milo,
Buckwheat,	Peas,
Sweet Clover,	Peanuts,
Field Corn,	Pop Corn,
Cotton,	Rape,
Darso,	Sagrain,
Egyptian	Sorghum,
Wheat,	Sudan,
Feterita,	Sunflower,
Grass,	Vetch.
Hegari,	

MAGNOLIA CABBAGE

PLANT EARLY AND LATE VARIETIES

CULTURE—Prepare soil thoroughly, if you want hardy plants. Sow seed about 45 days in advance of time wanted to transplant in open. Early varieties may be sown outside in March and April. For Winter Cabbage, sow seed in June, July or August. Keep crop well watered and cultivated, for when growth is checked, seed head matures and bursts forth as soon as moisture is again applied. Cabbage requires heavy soil with good drainage and frequent but shallow cultivation. However, good crops can be obtained on lighter soil if well fertilized. Root plants

deeply when setting them, to resist drouth. $\frac{1}{4}$ lb. seed will produce approximately 20,000 plants, enough to plant an acre. The days shown indicate average number to produce heads for market from time plants are set in field. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Garden DuraDust or Acme Rotenone Garden Guard.

EARLY VARIETIES

Early Jersey Wakefield—62 days. Extra early and very hardy. Plant spread 22 to 25 inches. Head small, usually about 8 inches long and $5\frac{1}{2}$ inches in diameter. Long, heart shaped, firm, closely clasped; creamy white, crisp, tender and of good rich flavor; core relatively small and slender. Wt. $2\frac{1}{2}$ to 3 lbs. Fine home garden variety and good shipper.—**Pkt. 10c—Oz. 30c— $\frac{1}{4}$ Lb. 95c—Lb. \$2.75—Postpaid.**

Copenhagen Market—65 days. Superb strain, plant spread 20 to 24 inches. Head round, 6 to 7 inches in diameter weighing 3 to 4 pounds, when grown closely, or 5 to 6 pounds when given plenty of space. Especially good for shipping on account of uniformity. Interior white with tinge of green.—**Pkt. 10c—Oz. 35c— $\frac{1}{4}$ Lb. \$1.00—Lb. \$2.95—Postpaid.**



Copenhagen Market



Early Jersey Wakefield Cabbage

CAULIFLOWER

You can grow them readily in your own garden and they are delicious.

CULTURE—For spring and early summer crop, sow in January to March in a hotbed. Transplant to cold frame when large enough to handle. Set out after danger of hard freezing is past. Soil should be like that used for cabbage. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

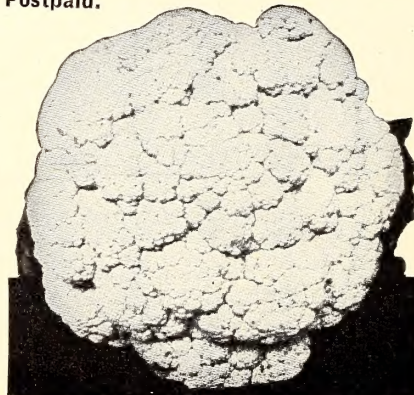
For a full crop, sow August or September and treat the plants as explained above. To bleach heads, tie leaves over them. $\frac{3}{4}$ ounce sufficient to plant 100 feet; 4 ounce for an acre. 1 ounce will produce 5,000 plants.

PEST CONTROL—Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Garden DuraDust or Acme Rotenone Garden Guard.



Early Snowball—Earliest maturing variety. Adapted for forcing or wintering over for early crop; also one of the best sorts for late summer and fall crop. Heads solid, round,

very white, about six inches across. 52 days. Commonly weigh $1\frac{1}{2}$ to 2 lbs.—**Pkt. 25c—Oz. \$2.25— $\frac{1}{4}$ Lb. \$7.50—Postpaid.**



Early Snowball Cauliflower

All Season (Kraut Cabbage)—90 days. Very sure heading. Plant spread 28 to 32 inches. Heads large, 8 to 9 inches across and about 7 inches deep, weighing 7 to 8 lbs.; very compact, white with faint tinge of yellowish green. Very resistant to hot weather.

Prices above varieties—
Pkt. 10c—Oz. 30c— $\frac{1}{4}$ Lb. 95c—Lb. \$2.75—Postpaid.

Chinese Chihili—75 days. Its attractive form makes it highly desirable for salads and slaw. It is also cooked like any other cabbage. Sometimes called "Celery Cabbage." The demand for this variety continues to grow on the Texas market.

—**Pkt. 10c — Oz. 20c— $\frac{1}{4}$ Lb. 75c—Lb. \$1.95—Postpaid.**



Chinese Chihili



Preparing Cabbage for Sauer Kraut. An easy way to preserve cabbage. Most families enjoy Kraut boiled with spare ribs—or fried. Also used in salads.

Charleston Wakefield—70 days. Larger, somewhat coarser than Early Jersey, but popular for shipping, because of its larger size. Plant spread 28 inches. Head usually about 10 inches long and 7 inches in diameter. Heart shaped, average weight five pounds.—**Pkt. 10c—Oz. 30c— $\frac{1}{4}$ Lb. 95c—Lb. \$2.75—Postpaid.**

All Head Early—63 days. Very hardy. Plant spread 30 inches. Large heads for an extra variety, commonly about 9 inches across top. Weight approximately 6 pounds. Round heads, firm, with small heart, white and of good texture. Good for kraut manufacturer, for winter culture and for shipment.—**Pkt. 10c—Oz. 30c— $\frac{1}{4}$ Lb. 95c—Lb. \$2.75—Postpaid.**

SECOND EARLY AND LATE VARIETIES

Early Flat Dutch—90 days. Thrifty plant with spread of 28 to 32 inches. Heads large, flat but deep, about 9 inches across and 6 to 7 inches deep, weighing about 6 lbs. Very firm and tender; white with faint tinge of yellowish green.

APRIL PLANTING

VEGETABLES

Beans,
Beets,
Broccoli,
Cabbage Plants,
Cantaloupes,
Carrots,
Cauliflower,
Collards,

Corn,
Cucumbers,
Dill,
Eggplant,
Endive,
Horseradish
Mustard,
Okra,

Onions,
Parsley,
Parsnips,
Peas,
Pepper,
Potatoes,
Pumpkins,
Radish,

Rutabaga,
Salsify,
Spinach,
Squash,
Swiss Chard,
Tomato Plants,
Turnips,
Watermelons.

Alfalfa,
Beans,
Broom Corn,
Buckwheat,
Cane,
Clover,
Corn,
Cotton,

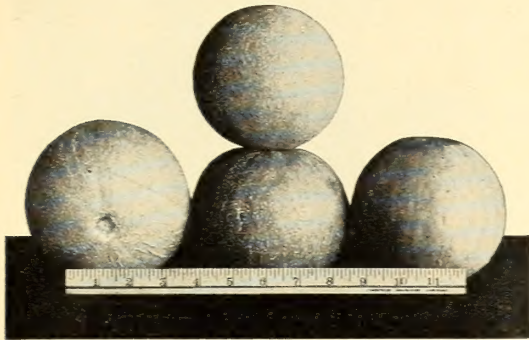
FIELD

Darso,
Egyptian
Wheat,
Feterita,
Grasses,
Grohoma,
Hegari,
Kafir,

Mangels,
Millet,
Milo Maize,
Peanuts,
Peas,
Pop Corn,
Rape,
Sagrain,

Sorghum,
Sunflower,
Vetch,

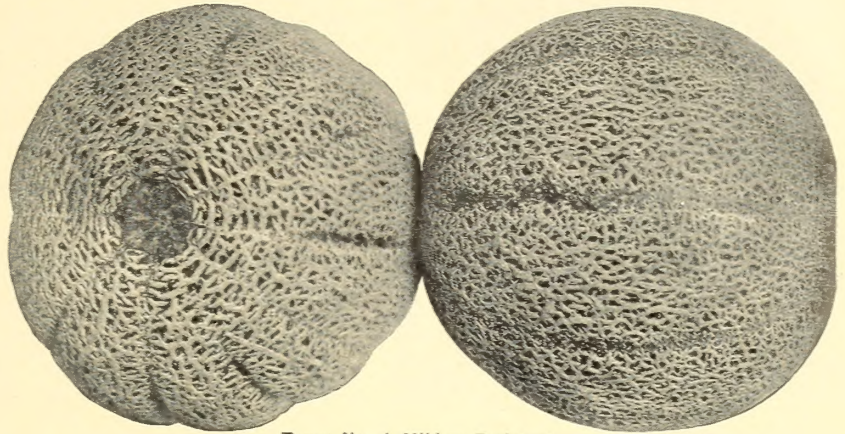
SEED OF FINEST IMPROVED STRAINS—GROW LUSCIOUS MELONS



Honey Ball

CULTURE—After danger of frost, plant in rich soil, preferably sandy loam in hills, from 4 to 6 feet apart. Put 10 to 12 seeds in a hill, cover with about 1 inch of fine soil, firmly pressed down. When plants begin to crowd thin to 4 of the most vigorous plants in the hill. Give frequent but shallow cultivation until plants make runners. Rich earth for young plants is far better, but if manure must be used, see that it is well rotted and thoroughly mixed with the soil. Vigoro has proved to be very satisfactory for fertilizing soil into which cantaloupes are to be sown. Use 1

MAGNOLIA CANTALOUPE



Texas No. 1 Mildew Resistant

ounce of seed to 100 hills; 2 to 3 pounds to acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting. Protect seeds from birds by using Stanley Crow Repellent. See Crow Repellent listing for instructions on how to use both protections on one type of seed.

PEST CONTROL—Against Anthracnose, Leaf Spot and Downy Mildew use Acme Bordeaux Mixture; against Striped Cucumber Beetle use Acme Rotenone Garden Guard.

GREEN FLESH VARIETIES

Rocky Ford Netted Rock—95 days. $5\frac{1}{2} \times 5$ inches. $2\frac{1}{2}$ lbs. Flesh green, spicy and sweet. Unexcelled flavor. Most popular of all green meated varieties. Vine is hardy and a good producer. Rind heavily netted, with ribs scarcely noticeable. Good shipper.

Gold-Lined Rocky Ford—90 days. Splendid green-fleshed Rocky Ford, medium early, but unexcelled for a main crop variety. Delicious, almost round melon covered with lace-like netting, averages about 5 inches in length. Flesh is smooth-grained, rich green with beautiful gold tint next to the small seed-cavity. Flavor is delicious and spicy. Highly rust-resistant and yields heavily.

Prices above varieties—Pkt. 10c—Oz. 25c— $\frac{1}{4}$ Lb. 80c—Lb. \$2.25—Postpaid.

Honey Dew—110 days. $7\frac{1}{2} \times 7$ inches, $6\frac{1}{2}$ lbs. A great favorite. Fine shipper, adapted to the South, but does not do well elsewhere. Flesh green, sweet and tender. Rind white, with some net, ripening to a light cream color. If properly stored, remains edible for months.

Honey Ball—105 days, $5 \times 4\frac{3}{4}$ inches, 3 lbs. Sweet, spicy flavor. Flesh green, very thick and edible to the rind. Rind white with heavy netting and quite hard. Very good for shipping.

Prices above varieties—Pkt. 10c—Oz. 25c— $\frac{1}{4}$ Lb. 80c—Lb. \$2.35—Postpaid.

SALMON FLESH VARIETIES

Texas Resistant No. 1—60 days. A new cantaloupe bred to resist aphids and mildew. A cross between a West Indian mildew resistant strain and Hales Best. Vine stout and vigorous, producing dense foliage which protects fruit from sunscald. About 5×6 fruits, moderately netted. Rind firm and a good shipper when harvested in full slip state, but not fully ripe. Flesh rich salmon and firm texture. Flavor sweet and slightly musky. Seed cavity small. While not entirely immune to downy mildew, it is probably the most resistant strain available and vines remain green long after most other varieties have dried up. Continue setting fruit after first ripe fruit harvested. Almost completely aphid resistant.

Certified Texas Resistant No. 1—Produced under Texas State Certification program.—Sealed 1 Lb. Bags \$3.75—Postpaid.

Texas Resistant No. 1—Not certified, but high grade seeds.—Pkt. 10c—Oz. 25c— $\frac{1}{4}$ Lb. 80c—Lb. \$2.25—Postpaid.

Hales Best Mildew Resistant No. 45—86 days. $6 \times 5\frac{1}{2}$ inches. 4 lbs. Practically the leader in the cantaloupe field. Flesh thick, deep salmon pink, sweet and tasty. Rind heavily netted, with a faint stripe. Seed cavity almost as small as Perfecto. The No. 45 is a true Hales Best type of outstanding merit. Resistant to powdery mildew.

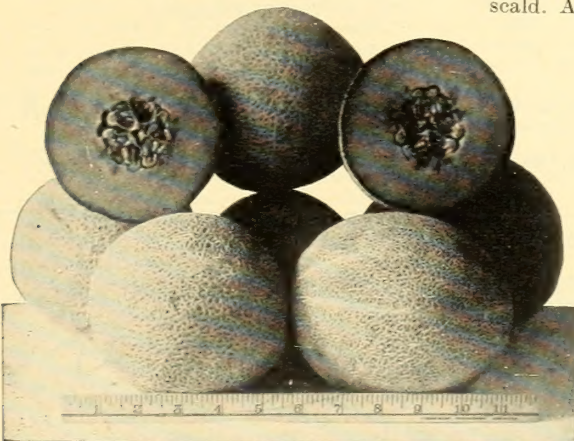
Improved Perfecto (Also known as Superfecto)—90 days. $5\frac{1}{2} \times 5$ inches. 3 lbs. Flesh fine grained, thick, orange colored. Very small seed cavity. Rind solidly netted with slight trace of stripe. This is a favorite shipping variety and does well on the late markets. Very fine flavor.

Hearts of Gold—88 days. $5\frac{1}{2} \times 5\frac{1}{2}$ inches. 3 lbs. Flesh deep golden salmon, of exceptionally fine quality. Rind well netted, excepting a narrow stripe between shallow ribs. A splendid shipping melon.

Pollack 10-25—95 days, $5\frac{1}{2} \times 5$ inches. $2\frac{1}{2}$ lbs. This is a Rocky Ford Type. Flesh is a salmon tinted, fruits uniform and very heavily netted with no trace of ribs. Good shipper.

Banana—94 days. $20\frac{1}{2} \times 4$ inches. Wt. $7\frac{1}{2}$ lbs. Vigorous, hardy variety. Flesh pink and quite delicious. Skin lemon colored at maturity, a distinctly different long melon, tapering at ends and usually curved at the stem end. For use in home market.

Prices above varieties—Pkt. 10c—Oz. 25c— $\frac{1}{4}$ Lb. 80c—Lb. \$2.25—Postpaid.



Hales Best Mildew Resistant No. 45

Sizes and weights given are approximate. Weather conditions will naturally cause variations.



MAGNOLIA CARROTS



Plant Every
Few Weeks
For Healthful
Menu Building

VEGETABLES

Beans, Beets, Cabbage Plants, Cantaloupe, Carrots, Cauldards, Corn, Cucumbers, Dill,	Egg Plant, Endive, Mustard, Okra, Onions, Parsley, Parsnips, Peas, Potatoes,	Pumpkin, Radish, Rutabaga, Salsify, Squash, Swiss Chard, Tomato, Turnips, Watermelon,
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MAY PLANTING

FIELD

Beans, Broom Corn, Buckwheat, Corn, Cotton, Darso, Egyptian Wheat, Feterita,	Grass, Grohoma, Hegari, Kafir, Mangels, Millet, Peanuts,	Cow Peas, Pop Corn, Rape, Sorghum, Sudan, Sunflower, Vetch.
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CULTURE—Sandy loam made rich by manuring the previous year is the best soil for the carrot; any good land, if thoroughly and deeply worked produces satisfactory crops. It is advisable to sow as early as the ground is fit to work. Cover seed one-half to one inch deep and see that the soil is pressed firmly above the seed. As soon as plants appear, use cultivator or wheel hoe and thin to 2 to 6 inches apart in the row, according to the size of the variety. Use 1 ounce to 100 feet; 2 to 3 pounds to the acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Leaf Spot use Acme Bordeaux Mixture.

CARROTS—For Nerves, Resistance and Eyesight

VITAMINS!



Imperator Carrots

Imperator—77 days. Fine texture, sweet flesh. An increasingly popular shipping variety. Root grows from 7 to 8 inches long with a shoulder of 1¼ to 1½ inches. Deep orange in color, and almost coreless. Smooth crown, tapering slightly from a rounded shoulder to a semi-blunt tip.

Chantenay Red Cored—70 days. A smooth deep orange-red, tender carrot, of fine texture. Very popular with market gardeners and truckers. Tops are medium sized with small neck. Mature roots are thick, 5 to 6 inches in length, uniformly half long, stump-rooted but taper slightly.

Danver Half-Long—75 days. Very productive and popular variety for home and market gardens because of bright, rich color. The tops are of medium size and the roots from 6 to 8 inches long, uniform to the blunt point, flesh deep orange, very crisp and tender.

Oxheart Carrot—75 days. A very good variety, especially for home gardens. Has a delightful flavor and grows shallowly in the ground, which makes harvesting easier, especially in tight soils. Roots "stumpy" and compact, about 4 inches long, and in mature form are used for stock feeding.

Prices above varieties—Pkt. 10c—Oz. 20c—¼ Lb. 60c—Lb. \$1.70—Postpaid.

CELERY

CULTURE—Sow in February, March and April in a hotbed and transfer to a cold-frame to make them stocky and strong. Seeds should be covered ¼ inch deep, and keep moist to insure quick germination. An ounce will produce 10,000 plants. Sow ¼ ounce to 100 feet, ¼ pound to acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Blights, use Acme Bordeaux Mixture, or Acme Kopper King.

Golden Self-Blanching—The finest early and most profitable celery in cultivation. It has a natural golden yellow plant, and branches quickly. Stalks thick, solid and sweet.—Pkt. 10c—Oz. 90c—¼ Lb. \$3.10—Postpaid.



Golden
Self-
Blanching
Celery

MAGNOLIA COLLARDS

CULTURE—Especially good for winter greens. Grown in home gardens for table use; also by truckers for market. Seed should be sown thickly, transplanting when 4 inches high, or sow in rows where plants are to remain, and when well started thin to 16 to 18 inches apart in rows. ½ ounce to 100 feet, 5 ounces to acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Rotenone Garden Guard, or Acme Garden DuraDust.

Georgia or Southern—Very hardy. Plants grow 2 to 3 feet high, forming a cluster of succulent tender leaves at top of rather long stem, are used as vitamin-rich greens.

Cabbage or White—A white heading variety as hardy as the ordinary collard but with better flavor and more tender. Grows 1½ to 2 feet high.

Prices above varieties—Pkt. 5c—Oz. 10c—¼ Lb. 30c—Lb. 85c—Postpaid.



Georgia Collards

GOOD SEED COST LESS

It costs you less to plant Magnolia quality seed, because they are grown from pure seed, kept from adulteration in the field, in cleaning, in our warehouses, and in the package delivered to you.

Our seeds are grown with the market gardeners of this area in mind. We feel a sacred responsibility to supply to them seeds that when properly planted, properly cultivated and raised under satisfactory weather conditions will yield a crop of No. 1 marketable fruit.

Yes, Magnolia seeds are good seeds and you can depend upon that.



SWEET CORN

CULTURE — When planted in rows the rows should be 3 to 4 feet apart; plant the seed 12 to 18 inches apart in the row, covering 1 to 2 inches deep with fine soil firmly pressed down. If planted in hills, plant 4 to 6 grains to the hill; later thin so as to leave 2 to 3 stalks to the hill. One pound will plant about 100 hills; 10 pounds to the acre. Be sure ground is warm before planting. Days indicate roasting ear stage. Control seed decay and seedling blight, and in-

crease plant vigor and productiveness by treating seeds with Semesan before planting. Protect crops from birds by using Stanley Crow Repellent. See Crow Repellent listing for instructions on how to use both protections on one type of seed.

PEST CONTROL—Against Cut Worm and Army Worm use Bait-M; against Corn Ear Worm use Acme Garden DuraDust. Sift on silks as directed when silks are forming.

SUGAR VARIETIES

Iona Hybrid Sweet Corn—80 days. Hybrid of two inbred strains of Golden Bantam sweet corn adapted to Texas. Iona Hybrid has all excellent qualities of Golden Bantam but much more resistant to ear worm damage. Plants short, about 4-5 feet, and very uniform. Every stalk has one good ear and many stalks two ears. Because of their small stalks, plant thicker, 18 to 24 inches between stalks.—Pkt. 10c— $\frac{1}{2}$ Lb. 35c—Lb. 60c—2 Lbs. \$1.15—5 Lbs. \$2.60—Postpaid.

Golden Bantam — 78 to 80 days. A very early corn, golden yellow grains, very tender and sweet. Ears 6 to 7 inches long, broad meaty kernels.

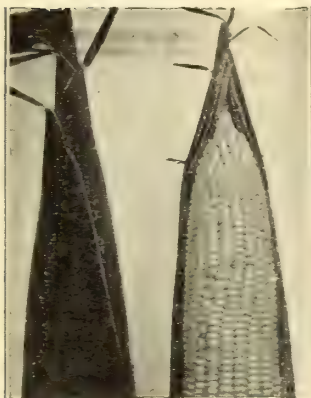
Magnolia Honey June—87 days. Drouth resistant and very resistant to ear worm damage, developing heavy shuck protection. Tall vigorous stalks. Ears 8 to 9 inches, with 14 to 16 rows of long, slender, white grains. Averages about 1.4 ears per stalk.

Country Gentleman—75 to 80 days. Ears 7 to 8 inches, exceptionally slender cob, densely packed with long, delicious, sweet white kernels, growing in irregular pattern. Grows 6 to 7 feet high and often produces 3 ears.

Prices above varieties—Pkt. 10c— $\frac{1}{2}$ Lb. 30c—Lb. 45c—2 Lbs. 85c—5 Lbs. \$1.80—Postpaid.



Preparing Corn for Canning



Honey June

Country Gentleman

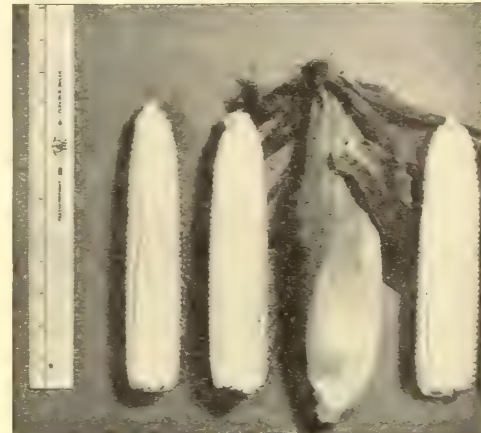
PLANT IN JUNE

VEGETABLES

Cabbage,
Cantaloupe
Endive,
Okra,
Parsnips,
Pumpkin,
Salsify,
Squash,
Sweet Potatoes,

FIELD

Beans,
Broom Corn,
Corn,
Darso,
Egyptian Wheat, Peas,
Feterita,
Grass,
Grohoma,
Hegari,
Kafir,
Millet,
Milo,
Peanuts,
Sorghum,
Sunflower.



Iona Hybrid

FIELD VARIETIES

Silver Mine—70 days. We recommend this for early roasting ears. Our strain was grown in Oklahoma and has consistently outproduced Northern grown corn. Ears from 12 to 15 inches long.

Early Adams — 60 days. Stalks about 6 feet, well bladed. Ears 7 to 8 inches long and filled with large white grains.

Truckers Favorite—67 days. A wonderful early table corn. Ears average 12 to 14 inches. Slightly sweet.

Prices above varieties—Pkt. 10c—Lb. 30c—2 Lbs. 55c—5 Lbs. \$1.15—Postpaid.

MAGNOLIA CUCUMBERS—For Pickling and Salad

CULTURE—For largest yield of cucumbers, soil should be well enriched with Vigoro and location should be fully exposed to the sun. Plant seed not over one inch deep, in hills from 3 to 5 feet apart each way, dropping 15 to 20 seeds in a hill. After plants begin to crowd, thin to 3 plants to the hill. Give frequent but shallow cultivation, until plants make runners. Pick fruit as soon as large enough before it begins to ripen, as vines will cease setting fruit when seeds begin to mature. In gathering for pickles, cut the stem instead of pulling fruit off, and be careful not to mar the fruit in any way; if the skin is broken, pickles

Straight Eight—58 days. $9\frac{1}{2} \times 2\frac{3}{4}$ inches, 2 pounds. Long, slender fruit, smooth, with a slight taper at each end. Very dark green. (1935 All-American Gold Medal Award). A good shipper.—Pkt. 5c—Oz. 30c— $\frac{1}{4}$ Lb. \$1.05—Lb. \$3.10—Postpaid.

Cubit—Won Bronze Medal Award in 1941 All American Selections. Dark green, white spine, cylindrical with blunt ends. Good for slicing and shipping. Firm flesh and uniform coloring. Something new and worthwhile.

Improved Long Green — 62 days. $13 \times 3\frac{3}{4}$ inches. $3\frac{3}{4}$ lbs. The best cucumber for either slicing or pickling. Vines vigorous and productive. Very hardy and disease resistant. Fruit dark green, slightly warted, flesh crisp and white.

Prices above varieties—Pkt. 5c—Oz. 30c— $\frac{1}{4}$ Lb. 95c—Lb. \$2.75—Postpaid.

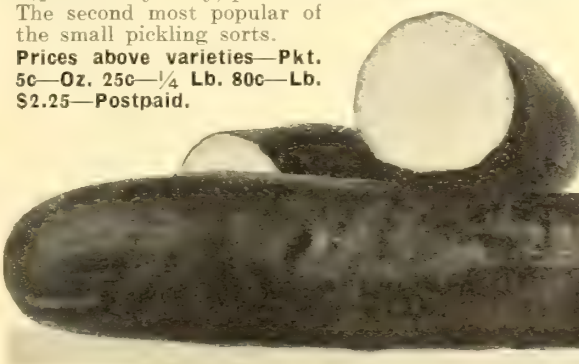
will not keep so well. Use $\frac{1}{4}$ ounce to 100 feet of drill; 4 lbs. per acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting. Protect seeds from birds by using Stanley Crow Repellent. See Crow Repellent listing for instructions on how to use both protections on one type of seed.

PEST CONTROL — Against Striped Cucumber Beetles use Acme octenone Garden Guard or NNOR Garden Spray.

Chicago Pickle—58 days. $7\frac{3}{4}$ by 3 inches. $1\frac{1}{2}$ lbs. Vines productive and vigorous; bright green, smooth fruits. Flesh crisp and tender. A very popular pickling variety.

Early Cluster—52 days. $6\frac{3}{4} \times 2\frac{7}{8}$ inches. $1\frac{1}{4}$ lbs. Very early, prolific and uniform. The second most popular of the small pickling sorts.

Prices above varieties—Pkt. 5c—Oz. 25c— $\frac{1}{4}$ Lb. 80c—Lb. \$2.25—Postpaid.



Straight Eight

Small Gherkin—50 days. 2×1 inches. Vigorous vines, very prolific. Small oval, prickly fruits should always be pickled When young and tender.—Pkt. 5c—Oz. 30c— $\frac{1}{4}$ Lb. 95c—Lb. \$2.75—Postpaid.

Early Fortune—58 days. $9\frac{3}{4} \times 2\frac{7}{8}$ inches. $2\frac{7}{8}$ pounds. Very early, productive and disease resistant. Rich dark green, holding color well. The best shipping variety.

Davis Perfect—58 days. 12×3 inches. $2\frac{1}{2}$ lbs. Long, smooth cucumber, tapering at both ends. Deep green color, fresh and crisp, few seeds. Very popular for home markets and gardens.

Improved White Spine—60 days. $9\frac{3}{4} \times 3\frac{1}{4}$ inches. $2\frac{3}{4}$ lbs. Main crop, good producer. Color good in the young fruits. A good type for home gardens.

Prices above varieties.—Pkt. 5c—Oz. 25c— $\frac{1}{4}$ Lb. 80c—Lb. \$2.25—Postpaid.



PLANT IN JULY

VEGETABLES

FIELD

Brussels Sprouts,	Potatoes,	Soy Beans,	Millet,
Cabbage,	Rutabaga,	Clover,	Stock Peas,
Cantaloupe,	Squash,	Corn,	Rye,
Corn,	Turnips,	Darso,	Sorghum,
Mustard,		Grass,	Sunflower.
		Hegari,	

Magnolia Spicy DILL

Seeds and Leaves Used for Pickling and Seasoning

CULTURE—Thrives best in sandy soil and better flavored when grown on poor soil. Soil should be carefully prepared and well cultivated as young plants are easily choked out by weeds. Sow as early as the ground can be made ready in drills 16 to 18 inches apart, lightly pressing the soil over the seed. Cut when in bloom, wilt in sun and thoroughly dry in shade. Control seed decay and seedling blight and increase plant vigor and productiveness by treating seeds with Semesan before planting.

Dill — An annual of aromatic odor and warm, pungent taste. Seeds and leaves used for seasoning and making dill pickles. 3 months from seed time to harvest.—Pkt. 5c—Oz. 15c—1/4 Lb. 50c—Lb. \$1.35—Postpaid.

EGGPLANT SEEDS

EASY TO GROW

CULTURE—Sow in hotbed in early spring and transplant to cold-frame when plants have two rough leaves. Set in open when all danger of frost or cold nights is past. It is best to shade young plants from the hot sun. Hoe frequently keeping the soil loose and fine. Mature in about 120 days. An ounce will produce about 2,000 plants; 5 to 6 oz. for an acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Flea Beetles use Acme Arsenate of Lead or Acme Bordeaux Mixture; against Lace Bugs use Acme Aphis Spray or NNOR Garden Spray.



Black Beauty Eggplant

Black Beauty—80 days. The earliest large Eggplant. Fruits are a rich dark purple. Disease-resistant and very desirable for market growers. Very popular with truckers in south and southwest Texas.—Pkt. 10c—Oz. 80c—1/4 Lb. \$2.75—Postpaid.

New York Improved Purple Spineless—83 days. A fine market variety. Fruits larger at bottom than Black Beauty. Plants grow low, stalky and branching; almost continuous bearing. Fruits satiny smooth, rich purple and large.—

Pkt. 10c—Oz. 80c—1/4 Lb. \$2.75—Postpaid.



ENDIVE

Vitamin-Full for Garnishes and Salads

CULTURE—For late spring and summer use, sow seed in open ground during early spring. For fall use, sow September to November. Requires about 100 days to mature a crop. Plant an ounce to 100 feet; 2 lbs. per acre. Control seed decay and seedling blight and increase plant vigor and productiveness by treating seeds with Semesan before planting.



Endive

Large Green Curled—Very hardy, vigorous-growing variety, with bright deep green leaves; highly esteemed for the market and home garden, and much used for salads. Very good winter crop. 60 days.—Pkt. 5c—Oz. 20c—1/4 Lb. 60c—Lb. \$1.75—Postpaid.

KALE



Kale or Borecole

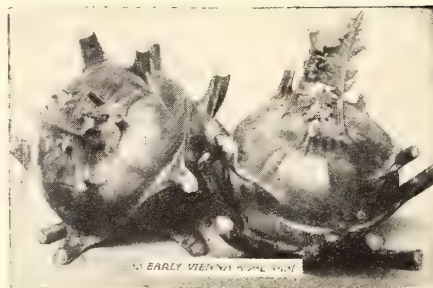
VITAMIN-RICH

Tasty for Greens—Speeds Egg Production in Hens

CULTURE—Plant during fall, winter or spring in rows 2 to 5 feet apart. Thin or transplant to 18 inches apart in the row. 1 ounce will plant 100 feet; 3 to 4 pounds will sow an acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Caterpillars and Aphids use Acme NNOR Garden Spray.

Finely curled, spreading, tasty green. Very hardy. Grows to 3 feet high, making it very useful for home gardens. Leaves are long, deep green. Heavy yielder.—Pkt. 10c—Oz. 20c—1/4 Lb. 60c—Lb. \$1.75—Postpaid.



EARLY VIENNA KOHL RABI

KOHL RABI

TASTY BLEND OF CABBAGE AND TURNIP

CULTURE—Sow Kohl Rabi seed in early spring or fall and when well established thin to 6 inches apart in the row. 1/2 ounce will sow 100 feet; 4 pounds to the acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray, Acme Rotenone Garden Guard, or Acme Garden DuraDust.

Earliest White Vienna — 60 days. Small tops. Bulbs medium size, light green on outside, flesh white, mild, delicious flavor, a combination of cabbage and turnip.—Pkt. 10c—Oz. 35c—1/4 Lb. \$1.25—Lb. \$3.60—Postpaid.

TEN STEPS

IN BUILDING A GARDEN

STEP ONE—

Plan Early



STEP TWO—

Break Soil



STEP THREE—

Make A Fine Seed Bed



STEP FOUR—

Test for Acidity



STEP FIVE—

Give Your Garden A SQUARE MEAL



STEP SIX—

Seed and Keep Weed Free



STEP SEVEN—

Water...



STEP EIGHT—

Spray, Prune, Tie-up Etc.



STEP NINE—

Harvest



STEP TEN—

Utilize the Yield

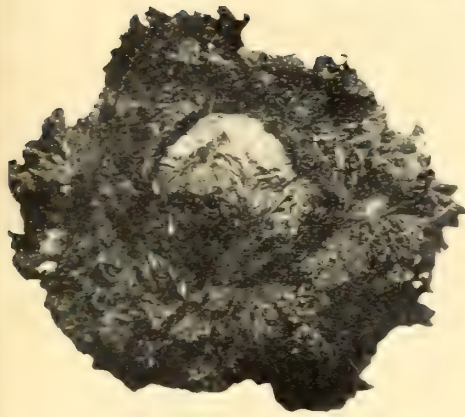


GARDENING

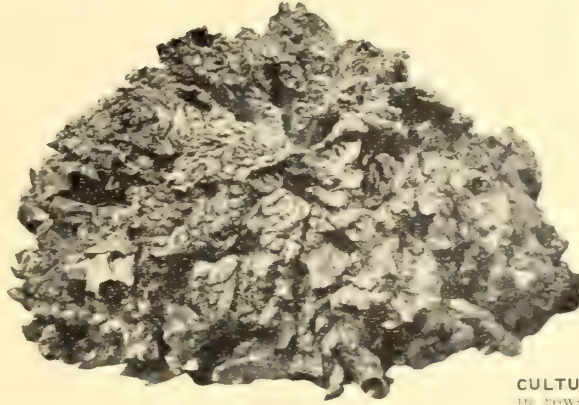
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FUN

MAGNOLIA LETTUCE



New York Lettuce



Early Curled Simpson

CULTURE—For best results with lettuce, keep growing rapidly. A light, rich soil will do this. For earliest varieties start seed in a cold-frame in fall and protect through the winter. Transplant to open ground as soon as the ground can be worked. For later use, sow seed in the open ground when the season will permit, in rows 12 to 18 inches apart. Thin the plants in the rows

to 4 to 8 inches depending on the variety. 1 oz. will sow 100 ft. 2 lbs. to acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Downy Mildew use Acme Bordeaux Mixture.

HEADING VARIETIES



Harvesting Loose Leaf Lettuce

Big Boston—65 days. Very popular for outdoor culture and also in demand as a compact, large-heading, forcing variety for cold frame. Leaves are bright green, heads slightly tinged with reddish-brown. Heads up under cold weather conditions better than any other variety.

Improved Hanson Lettuce—75 days. A most desirable late summer variety; stands hot, dry weather better than most summer varieties. Thinleaved, curly, tight-headed. Crisp, tender and sweet. Prices above varieties—Pkt. 10c—Oz. 25c—1/4 Lb. 75c—Lb. \$2.20—Postpaid.

LOOSE-LEAVED VARIETIES

Simpson's Early Curled—60 days. Very extensively used for an early loose-leaved clustering variety. Especially adapted for sowing thickly and cutting when plants are young. Broad frilled leaves, light green.

Simpson's Blackseed—60 days. Best loose-leaf variety for sowing outdoors where an exceedingly tender leaf is desired. This curly, bunching variety has attractive frilled, light green, thin leaves of crisp, excellent quality.

Early Prizehead—60 days. A crisp, tender, strictly loose-leaved, non-heading variety. Plant medium large, leaves broad, crumpled and frilled, outside leaves tinged red under leaves wholly green. Very popular for home garden, but will not stand shipping or handling on the market.

Chicken Lettuce—45 days. Grown extensively for poultry and rabbit feeding. Non-heading, produces abundance of leaves. After cutting, stumps make new growth, with proper moisture, enabling you to harvest leaves for a long period.

Prices above varieties—Pkt. 10c—Oz. 20c—1/4 Lb. 60c—Lb. \$1.75—Postpaid.

Wonderful or New York—78 days. Much used as a fall and winter market variety. Plants are very large, strong and robust, withstanding both hot and dry weather and are slow to run to seed. The inner leaves form a large head and are a beautiful yellow color. Heads frequently weigh 3 to 4 lbs.—Pkt. 10c—Oz. 40c—1/4 Lb. \$1.35—Lb. \$3.95—Postpaid.

Great Lakes—75 days. Won Bronze Medal in 1944 All American Selection. Iceberg type heat-resistant lettuce, slow to throw up seed head. Good crisp head. Try this fine new variety.—Pkt. 10c—Oz. 60c—1/4 Lb. \$2.05—Lb. \$6.05—Postpaid.

Iceberg—75 days. A large crisp cabbage-heading variety with very firm and hard heads and well blanched, often sown in August for fall use. Leaves are medium green color with faint brown tracing on border.—Pkt. 10c—Oz. 25c—1/4 Lb. 75c—Lb. \$2.20—Postpaid.

PLANT IN AUGUST

VEGETABLES	FIELD	
Beans,	Mustard,	Barley,
Broccoli,	Onions,	Buckwheat,
Brussels	Peas,	Clover,
Sprouts,	Potatoes,	Darso,
Cabbage,	Radish,	Hegari,
Carrots,	Rutabaga,	Mangels,
Cauliflower,	Spinach,	Millet,
Celery,	Squash,	Field Peas,
Corn,	Tomatoes,	Rape,
Cucumbers,	Turnips,	Vetch.

OKRA

PLANT EARLY AND LATE

CULTURE—After danger of frost is past, sow in rows about 3 feet apart, covering with about an inch of fine soil firmly pressed down. When about three inches high, thin to 18 to 24 inches apart in the row. Cultivate and keep free from weeds. The pods are in the best condition for use when from 1 to 3 inches long. Use 2 ounces to 100 feet; 8 to 10 lbs. per acre. Control seed decay and seedling blight and increase plant vigor productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Powdery Mildew use Acme Bordeaux Mixture against Aphids, NNOR Garden Spray; against Corn Ear Worm, Acme Arsenate of Lead 50 per cent and Dusting Sulphur 50 per cent.



Okra

Louisiana Green Velvet Spineless—Particularly well adapted for home gardening and canning. Holds its shape well during processing. Velvety green, easily harvested and handled.

Clemson Spineless—55 days. Slightly taller than Dwarf Green Long Pod, but producing very similar pods, almost entirely free from spines. Market gardeners want this variety.

Prices above varieties—Pkt. 5c—Oz. 10c—1/4 Lb. 35c—Lb. 90c—5 Lbs. \$3.95—Postpaid.

Dwarf Green Long Pod—50 days. A sturdy dwarf-growing variety, quite early and productive. Pods long, tapering, dark green and ribbed. Very good for the home garden, and the type most used for canning.

White Velvet—60 days. The standard variety planted for home use and local shipment. Pods are practically smooth and slender. Plants grow about 3 1/2 feet high and very productive.

Perkins Mammoth—60 days. Tall stalks, long green tender pods. A desirable early canning variety.

Prices above varieties—Pkt. 5c—Oz. 10c—1/4 Lb. 30c—Lb. 80c—5 Lbs. \$3.45—Postpaid.



PLANT IN SEPTEMBER

VEGETABLES

Beans,
Beets,
Broccoli,
Carrots,
Cauliflower,
Celery,
Collards,
Cucumbers,
Endive,
Kale,
Kohl Rabi,
Lettuce,

Mustard,
Onions,
Parsley,
Parsnips,
Peas,
Radish,
Rutabaga,
Spinach,
Squash,
Swiss Chard,
Tomato,
Turnips.

FIELD

Alfalfa,
Barley,
Clover,
Grass,
Mangels,
Peas,
Oats,
Rape,
Rye,
Vetch,
Wheat.

CULTURE—Mustard is not only used as a condiment, but the green leaves are used as a salad, or boiled like spinach and turnip greens. Leaves are tenderer than turnip and stems are not so long and coarse. Sow as early in the spring as the ground will permit in rows about 6 to 12 inches apart, covering $\frac{1}{2}$ in. deep. May also be sown in autumn for early spring use. 1 ounce sows 100 feet; 2 to 4 pounds to an acre. Control seed decay and seedling blight and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against, Aphids, Cut Worms and Cabbage Worms use NNOR Garden Spray, Acme Rotenone Garden Guard or Acme Garden DuraDust.



Southern Giant Curled Mustard



Tendergreen

Southern Giant Curled — Leaves large, light green with tinge of yellow, crimped and frilled at edges; plant upright or slightly spreading. Highly esteemed for market and home gardens because so popular to eat like lettuce or boiled, and for its rapid growth, hardiness and quality.

Florida Broad Leaf — Leaves round, unfrilled, rough, and medium green with broad, pale green midrib. A little slower growing than the frilled varieties but longer standing.

Smooth-Leaf — An excellent variety with very large light green, comparatively smooth leaves. Quick growing, fairly upright when young, becoming somewhat spreading at maturity.

Prices above varieties—Pkt. 5c—Oz. 10c
— $\frac{1}{4}$ Lb. 25c—Lb. 70c—5 Lbs. \$3.10—
—Postpaid.

Tendergreen or Mustard-Spinach—Tender, delicious, dark green, succulent, quick-growing. Practically an all-season plant, ready for market in 30 days. Stands extreme summer heat, and cold weather. Taste combination of Spinach, Turnip and Mustard Greens.—Pkt. 5c—Oz. 10c
— $\frac{1}{4}$ Lb. 25c—Lb. 70c—5 Lbs. \$3.10—
—Postpaid.

MAGNOLIA ONION SEED

WHITE VARIETIES

White Sweet Spanish—135 days. We consider this the best of the round, mild, white onions. Pure white skin, uniform high yields make it a popular market variety.—Pkt. 10c—Oz. 55c
— $\frac{1}{4}$ Lb. \$1.90—Lb. \$5.60—Postpaid.

Silver Skin—(White Portugal)—130 days. Medium sized onion of mild flavor, with beautiful clear white skin. Favorite when young as a salad or bunching onion, and for pickles. Bulbs nearly round when of bunching size, and somewhat flattened when mature.—Pkt. 10c—Oz. 70c— $\frac{1}{4}$ Lb. \$2.30—Lb. \$6.85—
Postpaid.

YELLOW VARIETIES

Babosa Onion—Also known as Early Grano. Straw colored with white flesh, increasingly important on the Texas market. Large bulbs of excellent flavor. Recommended for early market and home use.—Pkt. 10c—Oz. 90c— $\frac{1}{4}$ Lb. \$3.00—Lb. \$8.95—Postpaid.

Giant Yellow Prizetaker—145 days. Successfully grown in all parts of Texas and the Central South. Skin a light straw color, flesh pure white, very fine grained, and mild flavor. A good keeper and shipper.—Pkt. 10c—Oz. 70c— $\frac{1}{4}$ Lb. \$2.30—Lb. \$6.85—Postpaid.

Sweet Spanish Valencia—135 days. A globe-shaped onion of bright yellow color and mild flavor, a little larger than the Prizetaker. A good yielder and splendid keeper; a fine variety for home or market use.—Pkt. 10c—Oz. 70c— $\frac{1}{4}$ Lb. \$2.30—Lb. \$6.85—Postpaid.

RED VARIETIES

Red Creole—An onion produced in the South for the South. Large, solid semi-globe onions of reddish color and fine grained flesh. Flavor is rather strong. Unexcelled for home garden. Very productive and will keep for months without showing signs of rot.—Pkt. 10c—Oz. 70c— $\frac{1}{4}$ Lb. \$2.30—Lb. \$6.85—
Postpaid.

CULTURE — Sow seed in rich soil, thoroughly pulverized, and level in rows 12 to 24 inches apart, covering one-half inch deep. When plants are up, cultivate and keep free from weeds. When 4" to 5" high, thin to three inches apart. If sets are wanted, sow seeds thickly and don't thin out, using from 25 to 40 pounds of seed per acre when sown in beds and 4 to 6 pounds when sown in rows. An ounce will sow 100 feet. Plant both fall and spring. Control seed decay and increase plant vigor and productiveness by treating seeds with Semesan before planting.

ONION PEST CONTROL—Against Thrips use Acme Aphid Spray, Garden DuraDust or NNOR Garden Spray.



Sweet Spanish
Valencia



Silverskin



ONIONS—(Continued)

BERMUDA ONION SEED

Canary Island (Teneriffe) grown Bermuda Onion seeds are productive of better and hardier onions than American grown seed. We offer seeds grown by the most reliable growers in the Canary Islands.

Yellow Bermuda—115 days. Sometimes called White Bermuda. Skin light straw color, flesh white. Bulbs are somewhat flattened, of medium size, and very sweet. Will keep better and longer than the Crystal White Wax.

Crystal White Wax Bermuda—115 days. Most attractive of all onions; a clear waxy white, flesh of delightful mild flavor, somewhat flat, sometimes growing to the size of saucers. The most popular variety.

Prices above varieties—Pkt. 10c—Oz. 35c— $\frac{1}{4}$ Lb. \$1.15—Lb. \$3.35—Postpaid.

SPRING ONION SETS

Red—Red Wethersfield—an old favorite, globular and sweet.

Yellow—We will furnish either Giant Prizetaker or Yellow Ebenezer. Both are globular, good color and taste, and very hardy.

White—Either Silverskin, Southport White Globe or White Pearl will be furnished. All of these varieties are very fine for young, green onions and very hardy.

Prices—Lb. 35c—3 Lbs. \$1.00—5 Lbs. \$1.35—10 Lbs. \$2.25—Postpaid—Bushel of 32 Lbs.—\$4.95 F.O.B. Dallas.

FALL ONION SETS

In early September Bermuda onion sets become available and we will have Crystal White Wax, Yellow and Red Bermudas to offer in addition to White Silver Skins. When you are ready for your fall sets write for prices and tell us how many sets you want. We will quote prices promptly.



All the "Makings" for a delicious onion sandwich



Red Onion Sets



White Onion Sets

PARSLEY

VITAMIN "A" RICH

CULTURE—Parsley succeeds best on rich mellow soil. Seed is slow to germinate, and should be sown as early as possible in spring in drills 12 to 18 inches apart. Cover not more than $\frac{1}{2}$ inch with fine soil firmly pressed down. When plants are well up, thin to 2 to 3 inches apart in the row. Use 1 ounce to 100 feet; 4 to 5 pounds to the acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Celery Worm (a form of caterpillar) must be handpicked and killed.

Moss Curled—A vigorous compact growing variety, excellent for garnishing, salads, flavoring. A handsome decorative plant. Leaves deep green and tightly curled.

Pkt. 5c—Oz. 15c— $\frac{1}{4}$ Lb. 50c—Lb. \$1.45—Postpaid.



Parsley

PARSNIPS

CULTURE—Excellent for table use, prepared like turnips or carrots. Surplus may be fed to stock, especially milk cows. Succeeds best on rich, mellow soil. Sow in early spring and September and cover seed $\frac{1}{2}$ inch, pressing soil down firmly. When well established, thin to 3 or 4 inches apart in rows. $\frac{1}{2}$ ounce will sow 100 feet; 4 to 5 pounds per acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

Hollow Crown—Roots grow 18 to 20 inches, but first 8 inches is best flavored. Smooth white flesh, uniform in shape, very tender. Try them this year, we believe you will like them.—Pkt. 5c—Oz. 10c— $\frac{1}{4}$ Lb. 45c—Lb. \$1.35—Postpaid.



Parsnips

HELPFUL INFORMATION FROM A PLANTER

Last Fall I ordered some alfalfa seed and you sent it promptly. It was seeded on November 1, 1945. You sent me Texas Fancy. You might be interested in the success of that planting. My address is Brashear, Texas, in Hopkins County. My location is Southwest of Sulphur Springs in the Cross Timber Section where there has been a question mark as to whether alfalfa would grow successfully.

There is still some experimentation to be done but the success to date is beyond what I expected. The planting covered one and one-third acres of well drained upland that had been in cultivation about eight years. The plot received 600 pounds of 20% superphosphate per acre. An acre had approximately a ton of agricultural limestone applied, but in dragging to prepare my the unlimed strip. The difference is obvious between the lime and no-lime strip, and two places where I didn't drag any lime in, the stand is almost nothing.

My first cutting came the 1st of May this season with approximately a ton of hay. At this writing (May 22, 1946) it is almost ready for another cutting. I believe there is a future for alfalfa in the sandy land of East Texas.

Sincerely yours,

D. M. Speed.

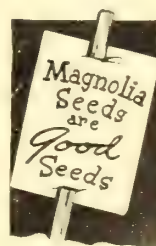
PLANT IN OCTOBER

VEGETABLES

Beets,
Brussels Sprouts
Broccoli,
Cabbage,
Carrots,
Celery,
Collards,
Endive,
Garlic,
Kale,
Kohl Rabi,
Lettuce,
Mustard,
Onions,
Parsley,
Peas,
Radish,
Rutabaga,
Spinach,
Swiss Chard,
Turnips,

FIELD

Alfalfa,
Barley,
Clover,
Grasses,
Oats,
Peas,
Rape,
Rye,
Vetch,
Wheat.



PLANT IN OCTOBER

VEGETABLES

Beets,
Broccoli,
Brussels Sprouts,
Cabbage,
Carrots,
Celery,
Collards,
Endive,
Garlic,
Kale,
Kohl Rabi,
Lettuce,
Mustard,
Onions,
Parsley,
Peas,
Radish,
Rutabaga,
Spinach,
Swiss Chard,
Turnips.

FIELD

Alfalfa,
Barley,
Clover,
Grasses,
Oats,
Peas,
Rape,
Rye,
Vetch,
Wheat.

MAGNOLIA FRESH GREEN PEAS

Plant Early and Late Varieties at Intervals—For All-Season Menus and Canning

CULTURE—For early peas soil should be light and warm, but for general crop a moderately heavy soil is better. Fresh manure and very rich or wet mucky soil should be avoided, as they cause a large growth of vine at the cost of the quality of the peas. Seed should be planted at a depth of 2 inches, in rows 21 to 28 inches apart for dwarf varieties and 28 to 42 inches for the taller sorts. Wrinkled varieties are more sensi-

tive to wet weather than the smooth-seeded but are of superior quality. Peas should be gathered as fast as fit for use. If even a few pods begin to ripen, not only will new pods cease to form, but those partly advanced will stop growing. Two pounds seed plants 100 feet; 70 to 100 pounds per acre. Increase yields up to 50% by inoculating seed before planting with Nitragin C or Garden Nitragin.

PEST CONTROL—Against Aphids use Acme Rotenone Garden Guard, NNOR Garden Spray or Acme Aphis Spray.



Alaska



Adequate Canning Insures a Sufficient and Balanced Diet

EXTRA EARLY VARIETIES

Alaska—58 days. A smooth pea of uniform vine growth, early maturing pods, filled with medium sized bright green peas of good flavor. Plants about 28 inches high, pods averaging 2½ inches. Splendid variety for marketing and canning.

First and Best—56 days. A smooth sort, with ability to mature quickly; unsurpassed in extra early qualities, in flavor, and in size of pod. Free from runners, and the entire crop can be taken off at two pickings. Grows about 2 feet high, pods, 2¾ inches long.

EARLY VARIETIES

Thomas Laxton—62 days. A most popular variety. Large uniform 3½ inch pods, square ends, containing about 7 medium dark green wrinkled peas of excellent quality. A very satisfactory fall as well as early spring crop. Because of productivity, flavor and heavy demand, a variety that appeals to market gardeners, also a good canning variety.

Little Marvel—63 days. A very good pea for home gardening. Pods are three inches long, blunt ended and closely packed with large wrinkled peas. Very sweet and delightfully flavored.

Nott's Excelsior—59 days. The very best early dwarf pea. Luxuriant and productive vines average about 14 inches high; pods about 2¾ inches long. Peas are unsurpassed in sweetness and quality. A desirable early wrinkled variety for the market and home.

Laxton's Progress—64 days. Vigorous and productive vines. Large pointed pods about 4½ inches, about 8 peas of deep green color and good flavor. Wrinkled.

Premium Gem—63 days. Vines very productive, 15 to 18 inches high; pods about 2¾ inches long, with 6 to 8 large wrinkled peas of fine quality.

American Wonder—60 days. Dwarf vines about 12 inches high, bear heavily; excellent quality wrinkled peas. Blunt pods 2½ inches.

Prices above varieties—Pkt. 10c—½ Lb. 25c—1 Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.55—Postpaid.

LATER VARIETIES

Bliss Everbearing—80 days. Most desirable of the later for your main crop of English Peas. Stout vines about 26 inches tall and if peas are picked as mature, plant branches and bears longer

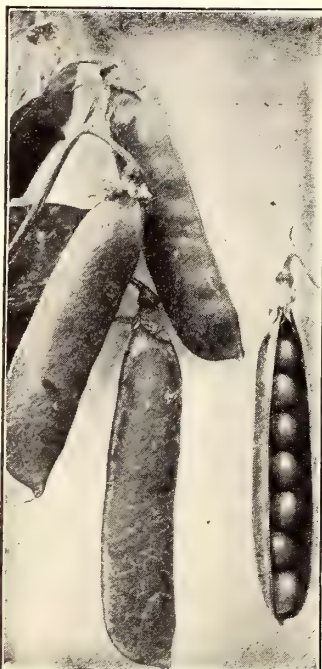
than any other variety. Pod 3 inches, crowded with large wrinkled peas. Plant some of these every few weeks and have a steady crop.

Improved Tall Telephone (Alderman)—72 days. The leading late variety with market gardeners. Vines are tall and vigorous, growing about 4 feet high, and producing an abundance of large pointed pods 4 to 5 inches long. Wrinkled.

Dwarf Telephone—75 days. A healthy, very productive stocky grower; does not require staking. The green pods frequently measure 5 inches long and contain 9 to 10 very large wrinkled peas.

White Marrowfat—81 days. The tall strong vines of this variety are about 4 feet high, pods about 3 inches long, cylindrical, surface somewhat roughened, light colored and well filled. Most desirable for summer use. Smooth variety.

Prices above varieties—Pkt. 10c—½ Lb. 25c—1 Lb. 40c—2 Lbs. 75c—5 Lbs. \$1.55—Postpaid.



Thomas Laxton



Bliss Everbearing

HOME CANNED VEGETABLES

Taste mighty good, and certainly are handy when company drops in—after the fresh supply becomes low. Home canned vegetables are finding a ready market in many sections and you could probably develop one for yourself.



MAGNOLIA PEPPERS

Produce Uniform Fruits

Right Stuffing Size

A PROFITABLE MARKET OR HOME CROP

CULTURE—Sow seed early in hotbed, and when three inches high transplant in rows about 18 to 30 inches apart, and 15 inches apart in the row. Cultivate and keep free from weeds. An ounce will produce about 1,000 plants: 1 to 1½ lbs. will sow an acre. Control seed decay and seedling blight, and increase plant vigor and productive-

ness by treating seeds with Semesan before planting.

PEST CONTROL—Sweet Peppers—Against Aphids use Acme NNOR Garden Spray or Rotteness Garden Guard. Hot Peppers—Against Caterpillars use Acme Arsenate of Lead.

SWEET PEPPERS

California Wonder—Dark Green, smooth, square in cross-section and very large, usually about 4 inches across, and 4 to 5 inches deep. Flesh about ¼ inch thick, the thickest of any pepper. Most popular for home gardens, and profitable for market growers because of heavy yield, and uniform size and shape.—Pkt. 10c—Oz. 75c—¼ Lb. \$2.50—Lb. \$7.35—Postpaid.

Bell or Bull Nose—Not as tall-growing as the later varieties, but vigorous, sturdy, and productive. Fruits about 2 inches wide, 3 inches long, square shape. Deep green when immature; scarlet red when ripe.

World Beater—One of the largest and best sweet peppers. When ripe it is bright scarlet, and the flesh is very thick, mild, and of a fine flavor. Fruits about 3½ inches across and 5 inches long. Popular on market and good shipper.

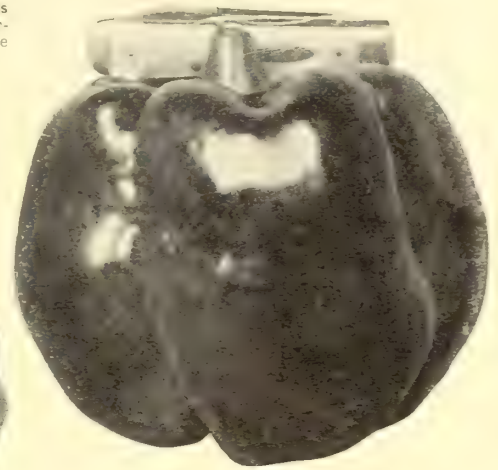
Prices above varieties—Pkt. 10c—Oz. 50c—¼ Lb. \$1.70—Lb. \$5.10—Postpaid.

Ruby King—A very satisfactory home garden variety. Plants 2½ feet high, vigorous, and compact. Fruits 4½ inches long, 2½ inches broad; deep grass green when young, bright red when ripe. Flesh thick and mild.—Pkt. 10c—Oz. 60c—¼ Lb. \$2.05—Lb. \$6.10—Postpaid.

Pimiento—A fine sweet pepper extensively used for salads, canning, or so mild can be eaten raw. Cone-shaped about 3½ inches long by 2½ inches wide. Very thick fleshed.—Pkt. 10c—Oz. 60c—¼ Lb. \$2.05—Lb. \$6.10—Postpaid.



California Wonder Pepper



Bell or Bull Nose

HOT PEPPERS

Long Red Cayenne—(See illustration)—A medium early variety, having slender twisted and pointed pod, about 4 inches long. Color deep green when fruit is young, and bright red when ripe. Flesh extremely strong and hot.

Anaheim Chili—“Hot” in appearance. “Sweet” as to taste, having just enough pungency to season well. Fruit measures six to eight inches in length and about an inch in diameter. Valued when green as chili and when ripe for salads.

Small Red Chili—Late variety. Pods bright red, about 2 inches long, one-third to one-half inch in diameter at the base, tapering to point. Very prolific and “Red Hot” when ripe.

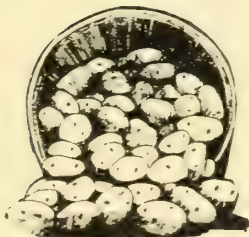
Prices above varieties—Pkt. 10c—Oz. 60c—¼ Lb. \$2.05—Lb. \$6.10—Postpaid.



Red Cayenne

POTATOES, SEED IRISH AND SWEET

IT PAYS TO PLANT
CERTIFIED SEED



SEED IRISH POTATO CULTURE—Plant potatoes about four inches deep in rows 3 feet apart and drop 15 inches apart in the row, about ½ peck to 100 feet of drill. Soil should be well manured or well fertilized. A ridge should be thrown over the potatoes after planting and then leveled down just before they come through. Cultivate well until in bloom, then ridge up again and leave alone until harvest. To reduce seed piece decay, scab, bacterial ring rot and increase yield

about 13.6%, protect seed with Semesan Bel.

Holding potato seed pieces for about ten days after they are cut before planting, thus allowing the surface to heal or “cork” over is recommended by potato specialists in the U. S. D. of A. Treat seed potatoes with Semesan Bel before planting.

PEST CONTROL—Against Potato Bug, Leafhopper, Flea Beetle and Blight use Acme Red River Potato Mix.

Certified Red Triumph—One of the very earliest, nearly round, and peels without waste. Fine yielder and always in good demand. Especially satisfactory in sandy soil.

Certified Irish Cobbler—A very good shipper, white and somewhat larger than the Triumph. Especially desirable for black soils.

Please Ask for Prices

SWEET POTATO CULTURE—Plants about 10 to 12 inches deep and water moderated. When plants are formed set one foot apart on ridges four feet apart, well drawn up and rather flat. A distance of 50 slips to 100 feet. To reduce seed piece decay, scab, bacterial ring rot and increase yield about 13.6%, protect seed with Semesan Bel.

PEST CONTROL—Against Tortoise Beetles use Acme Arsenate of Lead.

Porto Rican Yams—The best keeper. Flesh is fine grained, juicy; color gold-
en red.

Please ask for prices.

MAGNOLIA SEED IS THE WISE WAY TO GUARANTEE YOURSELF THE BEST POSSIBLE CROP --- Buy Today!



FIELD OR
GARDEN

MAGNOLIA PUMPKINS

Plant For Fall Money Crop—For Delicious Pies



Small Sugar

DECEMBER PLANTING

VEGETABLES

Brussels Sprouts,
Cabbage,
Collards,

Garlic,
Kale,
Kohl Rabi,

Lettuce,
Radish,
Tomato.

FIELD
Grasses.



White Icicle

Early Scarlet Turnip White Tipped (Sparkler Strain)—25 days. Small round roots of rich scarlet color with a pronounced tip of pure white. Keeps solid and crisp a long time. Roots grow to 1½ inches without becoming pithy.

Early Scarlet Globe—25 to 30 days. An oval shaped variety, rich bright scarlet. Flesh white and tender. Especially recommended to market gardeners because this large fast early forcing radish sells readily. Also desirable for the home garden. Be sure to plant some of these.

Prices above varieties—
Pkt. 5c—Oz. 15c—¼ Lb. 40c—Lb. \$1.20—Postpaid.

CULTURE—May be planted in middle of spring among corn or in hills 8 feet apart each way. Four seeds in a hill. If planted in hills, they are cultivated in the same manner as melons and cucumbers. For winter use gather before frost and store in a warm, dry place. Use ½ ounce for 25 hills; 3 to 4 pounds per acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting. Protect seeds from birds by using Stanley Crow Repellent. See Crow Repellent listing for instructions on how to use both protections on one type of seed.

Small Sugar (Also known as Boston Pie) 115 days. 5½x7 inches. 4 lbs. Stores exceptionally well; favorite for canning and pies. Sturdy vines, very prolific. Flesh deep orange, thick and sweet. Rind shows distinct stripes. Shape as above.—Pkt. 5c—Oz. 15c—¼ Lb. 55c—Lb. \$1.45—Postpaid.

King of the Mammoth Pumpkin—120 days. 18x18 inches. 60 lbs. Kitchen, stock feeding and exhibition. Flesh hard, firm and light color, a little coarse in texture, but of good quality. Rind bright orange with lighter stripes between rib. Pkt. 5c—Oz. 20c—¼ Lb. 70c—Lb. \$2.10 Postpaid.

PEST CONTROL—Against **Striped Cucumber Beetles** and **Squash Bugs** use Acme London Purple, Acme Rotenone Garden Guard or NNOR Garden Spray.

Connecticut Field (also called Big Tom)—120 days. 12x12 inches. 18 lbs. Used principally for canning and stock feed. This is a standard corn field variety, producing quantities of large orange colored fruits, flat on the ends, with smooth, hard rind. Flesh thick, dry and sweet. Pkt. 5c—Oz. 15c—¼ Lb. 55c—Lb. \$1.45 Postpaid.

Kentucky Field—120 days. 10x12 inches. 15 lbs. A hardy, late variety. Another variety for canning and stock feed. Color ranges from yellow to light orange. Pkt. 5c—Oz. 10c—¼ Lb. 40c—Lb. \$1.20 Postpaid.

CUSHAWS

ABUNDANT PRODUCERS

Green Striped Cushaw—115 days. 24x8 inches. 14½ lbs. For pies, baking, and a heavy-yielding stock feed. Crooknecked with the seeds in the blossom end or bowl. Rind white, mottled with irregular green stripes. The most popular of the Cushaw types.—Pkt. 5c—Oz. 15c—¼ Lb. 55c—Lb. \$1.45—Postpaid.



Cushaw—For Pies and Stock Feed

RADISHES—Long, Round and Winter

CULTURE—Sow in rich, sandy soil in rows 12 to 18 inches apart, and thin out plants to prevent crowding. They should receive plenty of water, and to raise the best radishes they should be grown quickly. Crisp radishes cannot be produced in heavy soils. Successive sowings from one week to ten days apart will keep up a supply. An ounce will sow 100 feet; 10 to 12 pounds per acre. Thin out the small varieties

one inch apart and the larger varieties 3 to 4 inches. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against **White Rust** use Acme Bordeaux Mixture; against **Aphids** use Acme NNOR Garden Spray or Acme Rotenone Garden Guard.

Early Scarlet Turnip Radish—25 to 30 days. Scarlet red, round variety. Flesh white and crisp. Should be used when about an inch in diameter.

French Breakfast—20 days. A quick growing oblong radish about 1½ inches long by 5/8 of an inch in diameter when full grown. Color, rich scarlet, clear white bottom. Flesh white, crisp, splendid quality.

Crimson Giant—28 days. A round early radish of exceptionally large size. Roots are nearly globe-shaped of beautiful crimson color and nearly 2 inches in diameter at maturity. Flesh is crisp and mild.

Prices above varieties—Pkt. 5c—Oz. 15c—¼ Lb. 40c—Lb. \$1.20—Postpaid.



Sparkler White Tip

(Continued on page 15)



RHUBARB OR PIE PLANT



CULTURE—Roots should be planted by hand on level land, the crowns being placed $\frac{1}{2}$ inch deep in heavy soils and 1 inch deep in sandy loams. Set out about $2\frac{1}{2}$ feet apart in beds. Moisture must be kept to surface until plants are established. To produce heaviest possible root system in the shortest possible time, dust roots before planting with Rootone.

PEST CONTROL—Against Blight use Acme Bordeaux Mixture.

Delicious for Pies—Tasty and Healthful Served Stewed

Earliest plant you can use in the spring for pie-making and stewing. Recommended for Gulf Coast sections, but it does well in the central south and central north in moist, rich heavily fertilized, partly shaded location. Set out the roots in early spring.

30c Each—\$3.00 per Doz.—Postpaid.

Rich in VITAMIN "A" MAGNOLIA SPINACH

Plant Spring
and Fall

CULTURE—The seed should be planted in very rich ground in rows 14 to 18 inches apart. Plants should be thinned out 3 to 6 inches apart in the row. Seed may be sown broadcast. The main crop is sown in September to October, for winter use, and in February and March for spring use. An ounce will sow 100 feet; 10 to 12 pounds per acre. Control seed decay and seedling blight and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids use Acme NNOR Garden Spray.

Bloomsdale Long Standing

—45 days. A dark green, crumpled leaf spinach which will stand from four to six days longer than the Reselected Bloomsdale before going to seed. Many market gardeners prefer this type.

Reselected Bloomsdale, Dark Green — 40 days. A very early variety, and one of the best to plant in autumn for early spring use. Plants upright, with thick, glossy, dark green, medium-size leaves, pointed, quite broad and crumpled.

Viroflay — 45 days. Desirable for either spring or fall sowing. Leaves are very large, broad, thick, and arrow-shaped, somewhat crumpled; dark green in color. Desirable for canning.

Prices above varieties—Pkt. 5c—Oz. 10c— $\frac{1}{4}$ Lb. 25c—Lb. 60c—Postpaid.



Field of Bloomsdale Long Standing

Nobel Giant — 45 days. A thick leaved spinach, very dark green, smooth round leaves. Rather long standing and a good yielder.—Pkt. 5c—Oz. 10c— $\frac{1}{4}$ Lb. 25c—Lb. 60c—Postpaid.

New Zealand — 70 days. "Cut and come again." Yields from late spring to late fall. Large plant which produces quantities of small, thick, dark green leaves of delightful flavor. Soak seeds in warm water 24 hours before planting—Pkt. 5c—Oz. 15c— $\frac{1}{4}$ Lb. 35c—Lb. 95c—Postpaid.

RADISHES— (continued)

White Icicle—25 days. Most popular long white radish, one of the earliest. Tops medium size, roots clear white, slender, smooth average when mature 6 to 7 inches long. Very crisp and mild.

Long Scarlet Short Top—30 days. An extra early, long radish. Roots grow 5 to 6 inches long with a third of their length above the ground. Flesh is crisp and tender until fully grown; tops short and small.

Prices above varieties—Pkt. 5c—Oz. 15c— $\frac{1}{4}$ Lb. 40c—Lb. \$1.20—Postpaid.

WINTER VARIETIES

China Rose Winter—45 days. Extensively grown for fall and winter use. Roots are cylindrical; largest near the base and blunt at both ends. Skin smooth and of a bright deep rose color. Flesh white, fine grained, crisp and mildly pungent. Desirable, late maturing.

Long Black Spanish—48 days. Winter Radish. Roots 8 to 9 inches long, 2 to $2\frac{1}{4}$ inches in diameter at shoulder, slightly tapered; almost black, somewhat wrinkled. Flesh white, of firm texture, decidedly pungent.

Prices above varieties—Pkt. 5c—Oz. 15c— $\frac{1}{4}$ Lb. 40c—Lb. \$1.20—Postpaid.



Scarlet Globe

HORSERADISH

Fine Seasoning Vegetable

CULTURE—Set cuttings in trenches 6 to 12 inches apart, 2 inches below the surface of the ground. Cultivate until tops cover the ground, when their shade will keep down the weeds. To produce heaviest possible root system in the shortest possible time, dust roots before planting with Rootone.

Best results in rich, rather moist, partly shaded locations. — 75c Per Doz. — 50 Roots, \$2.50—100 Roots, \$4.50—Postpaid.

BEFORE YOU PLANT, INVESTIGATE THE FULL ADVANTAGES OF USING SEED DISINFECTANTS, INOCULANTS AND PLANT HORMONES RECOMMENDED IN "CULTURE"

Make your plans early—Buy seeds and supplies of good quality—and plant carefully.

Good crops will reward your efforts.



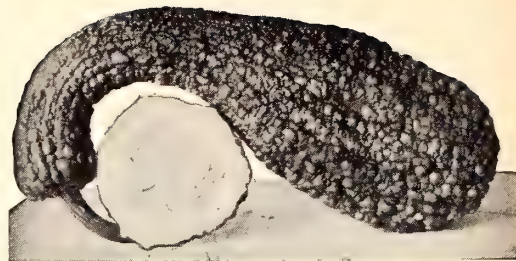
MAGNOLIA SQUASH

Squash flavors differ greatly—Plant several varieties

CULTURE—Plants are very tender and sensitive to cold and planting must be delayed until warm weather. The general principles of culture are the same as those given for cucumbers and melons, but plants are less particular as to soil. Summer varieties should be planted three to four feet apart each way and the winter sorts eight feet. Three plants are sufficient for a hill. An ounce will sow 60 hills; 3 to 4 pounds per acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating

seeds with Semesan before planting. Protect seeds from birds by using Stanley Crow Repellent. Seed Crow Repellent listing for instructions on how to use both protections on one type of seed.

PEST CONTROL—Against Striped Cucumber Beetles and Squash Bugs, use Acme London Purple. Acme Rotenone Garden Guard or NNOR Garden Spray.



Yellow Summer Crookneck

SUMMER VARIETIES

Early White Bush Scallop—55 days. 6x2½ inches. 2¼ lbs. Bush extremely prolific and disease resistant. Fruits creamy white, flesh firm and flavorful, flat with scalloped edges. Very popular.

White Bush Scallop, Green Tinged — 55 days. 6x2½ inches, 2¼ lbs. Similar in all respects to the Early White Bush, but fruit is tinged a light green, which appeals to the buying public.

Prices above varieties—Pkt. 10c—Oz. 15c—¼ Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.

Yellow Summer Crookneck—50 days. 12x5 inches. 1½ lbs. Rich golden yellow, with pale, firm, tender flesh. Moderately warted. Excellent eating quality. Bush exceedingly prolific. The most popular of the summer type.—Pkt. 10c—Oz. 15c—¼ Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.

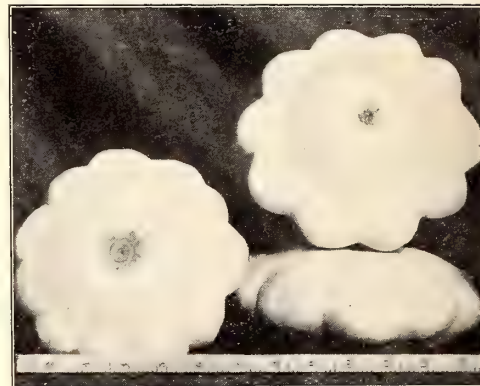
Fordhook Vining—60 days. 7¾x3 inches. 2 lbs. Vines hardy and prolific. Flesh thick and sweet. Uniform in shape. A

summer variety adapted to winter use.—Pkt. 10c—Oz. 15c—¼ Lb. 55c—Lb. \$1.60—5 Lbs. \$7.60—Postpaid.

Early Prolific—55 days. 16x3½ inches, 3 lbs. Flesh is thick, of light yellow color and good quality. Neck is straight and the variety is very satisfactory for shipping. Very prolific.—Pkt. 10c—Oz. 15c—¼ Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.

Table Queen (Acorn)—58 days. 4¾x3½ inches. 1 lb. Outside green, shaped much like an acorn. Ribbed and pointed at blossom end. Rind thin; flesh light orange; dry and of good texture and flavor.—Pkt. 10c—Oz. 15c—¼ Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.

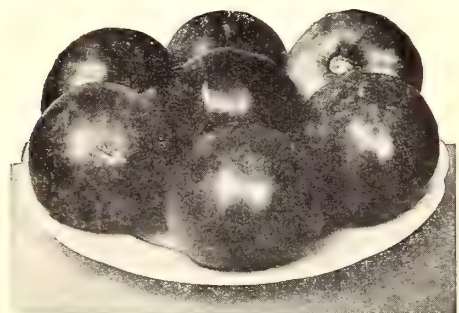
Early Yellow Bush Scallop—55 days, 6x2½ inches. 2 lbs. Similar in all respects to Early White Bush except the color of the skin is a golden yellow.—Pkt. 10c—Oz. 15c—¼ Lb. 50c—Lb. \$1.45—5 Lbs. \$6.85—Postpaid.



White Bush Scallop

WINTER VARIETIES

Hubbard Warted—115 days. 15x10 inches. 16 lbs. The largest of the green Hubbards, thickly covered with warts. An excellent keeper and the flesh is dry and sweet.—Pkt. 10c—Oz. 20c—¼ Lb. 70c—Lb. \$2.10—Postpaid.



Break O' Day Tomatoes

MAGNOLIA TOMATO SEEDS

Grown by Breeders and Growers of the Finest Tomato Seed

CULTURE—Tomatoes do best on light, warm, not over-rich soil, and success depends largely upon securing a rapid, vigorous and unchecked growing during the early part of the season. Sow in January and February in hotbeds for early crops. Set out the plants as soon as danger from frost is over, after hardening off the plants by gradually exposing them to the night air and by the withdrawal of water until the wood becomes hard, and the leaves thick and of a dark green color. Transplant carefully and cultivate well as long as the vines will permit. If to be grown without training, plants are usually set out from three to four feet apart each way, according to

the growth of the variety. Magnolia tomato seeds are from the finest strains grown, and we invite comparison with any on the market. An ounce will produce 3,000 plants; 1½ ounces will produce sufficient plants to set out an acre. Number of days indicates from time set out to maturity of first fruit. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting.

PEST CONTROL—Against Cut Worms use Acme Bait-M; against Worms and Blight use Acme Tomato Dust.

EARLY VINING VARIETIES

Break O' Day—Certified—65 days. Fruits are deep red, globe shaped, the size of Marglobe, but from 10 to 12 days earlier in maturity. Very productive, with few seeds.—Pkt. 10c—Oz. 80c—¼ Lb. \$2.70—Lb. \$8.10—Postpaid.

McGee—72 days. Yields prolifically where others fail. Fruits large, solid with very few seeds, of fine flavor; a bright crimson color with a sprinkling of pink fruits among them. Nearly as early as Earliana. Has proved exceptionally good for the black land belt. A great favorite. — Pkt. 10c—Oz. 80c—¼ Lb. \$2.70 — Lb. \$8.10—Postpaid.



Earliana—66 days. One of the earliest varieties of tomatoes. Fruits are bright deep scarlet and

somewhat flattish. Produced mostly in the center of the plant. Very productive and one of the most popular for market and home gardens.—Pkt. 10c—Oz. 80c—¼ Lb. \$2.70—Lb. \$8.10—Postpaid.

June Pink—68 days. The best and earliest of the pink varieties. Sets fruit in clusters of from six to eight. Uniform fruit, smooth and solid. Excellent for shipping. Recommended for market gardening. Matures very early and continues bearing until frost.—Pkt. 10c—Oz. 80c—¼ Lb. \$2.70—Lb. \$8.10—Postpaid.

John Baer—71 days. An extra early scarlet-fruited variety. Vines very hardy and exceptionally productive. Fruits largest of the extra early varieties, nearly round, smooth, firm and of excellent quality. Desirable for market gardeners, shippers and canners.—Pkt. 10c—Oz. 55c—¼ Lb. \$1.80—Lb. \$5.35—Postpaid.

(See Next Page)



One Bush of Rutgers

MAGNOLIA FINEST STRAIN TOMATO SEEDS

SECOND EARLY VINING VARIETIES

Rutgers, Certified—75 days. Especially popular with the canning industry. Produces a large plant with thick stems and an abundance of vigorous foliage. Requires much less nitrogen than most other varieties and should therefore be fertilized less in order to avoid rank growth and late fruit. Fruits are medium to large, similar in shape to Marglobe, except they are more flattened at the stem. Average weight of fruit is 5.8 oz., very small seed cavities. Flesh firm and bright red, ripening from the center out. Pleasing flavor. Our stock is certified by the State of New Jersey and was grown in accordance with their certification requirements, insuring true variety. —Pkt. 10c—Oz. 80c— $\frac{1}{4}$ Lb. \$2.70—Lb. \$8.10—Postpaid.

Gulf State Market—75 days. Grown extensively in East Texas for shipment to northern markets. Vines very hardy and fruits are true globe-shaped, free from cracks or blemishes around the blossom end. Ripen uniformly. The fruit colors a rich purplish-pink clear to the stem after picking. —Pkt. 10c—Oz. 80c— $\frac{1}{4}$ Lb. \$2.70—Lb. \$8.10—Postpaid.

Marglobe, Certified—75 days. A definitely disease-resisting Tomato. Matures among the earliest of the later varieties. Fruits are a deep, red, globe shape. A splendid shipping variety because of its uniform-

ity. Our stock has been certified by the State of New Jersey to be absolutely true to variety. It pays you to get really good tomato seed and there is none better than those certified under State Laws. —Pkt. 10c—Oz. 80c— $\frac{1}{4}$ Lb. \$2.70—Lb. \$8.10—Postpaid.

MAIN CROP VINING

Pritchard, Certified — 85 days. A second early, scarlet fruit variety. Fruits medium size and smooth. Solid, having 4 to 5 seed cells. Sets in clusters of four to five. Vine short jointed and low growth with heavy foliage. —Pkt. 10c—Oz. 80c— $\frac{1}{4}$ Lb. \$2.70—Lb. \$8.10—Postpaid.

Greater Baltimore—83 days. A good canner. Fruits medium to large, solid meaty, rich bright red color. Very productive. —Pkt. 10c—Oz. 55c— $\frac{1}{4}$ Lb. \$1.85—Lb. \$5.35—Postpaid.

Stone—85 days. One of the old favorite late or main crop tomatoes. Fruits large, smooth and with a deep scarlet skin. This is a standard variety, with truckers and canners who know they can depend upon it for a large crop of attractive and heavy fruits. —Pkt. 10c—Oz. 55c— $\frac{1}{4}$ Lb. \$1.85—Lb. \$5.35—Postpaid.

TREE VARIETIES

Dwarf Champion—78 days. A second early purplish-pink variety, especially desir-

able where garden space is limited. Tree type, growing about two feet high, vigorous, upright and compact. Fruits medium to small in size. One of the best of the small tree varieties. —Pkt. 10c—Oz. \$1.15— $\frac{1}{4}$ Lb. \$3.95—Postpaid.

LARGE FRUITED VARIETIES

Oxheart—88 days. A fine flavored tomato of most unusual size and shape. Fruits often weigh two to three pounds each, shaped like an oxheart, brilliant scarlet in color with a very smooth skin. Very few seed cells. —Pkt. 10c—Oz. \$1.80— $\frac{1}{4}$ Lb. \$6.00—Postpaid.

Red Ponderosa — 85 days. A large deep pink. Vines vigorous and very productive. Fruits solid with exceptionally few seeds, fairly smooth and larger than other varieties except Oxheart. Good for slicing and well flavored. —Pkt. 10c—Oz. \$1.15— $\frac{1}{4}$ Lb. \$3.90—Lb. \$11.60—Postpaid.

Red Cherry—70 days. A miniature tomato chiefly grown in the home garden for use in preserves. Mature to a uniformly round shape and even size. Fruit scarlet red, tough skin and firm, mild flesh. About size of cherry. —Pkt. 10c—Oz. \$1.15— $\frac{1}{4}$ Lb. \$3.95—Postpaid.

Yellow Pear—70 days. This pear-like small fruit is extensively used for preserves in various ways. A rich, clear yellow, well flavored. —Pkt. 10c—Oz. \$1.15— $\frac{1}{4}$ Lb. \$3.95—Postpaid.



Mr. F. E. Dean, Manager of our Dallas wholesale store, with a Shogoin turnip produced in his own garden. Note heavy top which Mr. Dean reports as tender and flavorful for greens.

his own garden. Note heavy top which Mr. Dean reports as tender and flavorful for greens.

WHITE FLESH VARIETIES

Purple Top White Globe—Table size 55 days. The most popular variety with market gardeners and for the home garden. Very attractive globular shaped root, smooth, purplish red top and flesh white, fine grained, tender and excellent flavor. Roots grow to 5 or 6 inches diameter. Tops medium large. Our strain of this variety produces very uniform roots—ideal for marketing.

Early Purple Top Strap Leaved — Table size in 45 days. A very early variety. Roots flat, about 5 inches in diameter; purplish red at top and clear white flesh below. Fine grained and mild.

Prices above varieties—Pkt. 5c—Oz. 10c— $\frac{1}{4}$ Lb. 30c—Lb. 75c—5 Lbs. \$3.45—Postpaid.

Root Crop • TURNIPS • Green Crop

CULTURE—For summer use, sow in early spring in light, rich or new soil in rows 1 to 2 feet apart and cover one-half inch deep. May also be sown broadcast, but in either case be sure to have the ground rich and freshly stirred. It is important to get spring and summer crops started early so that turnips may have time to grow to sufficient size before hot weather causes them to become tough and bitter. For the fall or main crop, sow them from the middle of July to the

middle of November, same as for spring sowing. An ounce sows 100 feet 2 to 4 pounds per acre in rows, or 6 to 8 pounds broadcast. Control seed decay and seedling blight and increase plant vigor and productivity by treating seeds with Semesan before planting.

PEST CONTROL—Against Aphids, Cut Worms, and Cabbage Worms use NNOR Garden Spray. Avoid Root-knotting Garden Grubs or Aeneas Garden Detergent.

VARIETAL PURITY

Garden crops grown from Magnolia Seeds are more marketable, because varieties are kept pure and the quality of vegetables the best. Just a few cents more for abundant, luscious vegetables!

RUTABAGAS

A Tasty, Nutritious Table Vegetable. A Profitable Crop Grown for Livestock Feeding

CULTURE—Rutabagas require a longer growing season than turnips. Seed may be sown at the same time you plant turnips at rows 2 1/2 to 3 feet apart. Culture is practically the same as for turnips except the plants should be thinned to 8 to 10 inches apart. Control seedling blight and increase plant vigor and productivity by treating the seeds with Semesan before planting.

PEST CONTROL—See Turnips

American Purple Top or Improved Long Island—80 days. Small

top. Roots are short necked, globe shaped and grow to a large size. Excellent for both table use and stock feeding. Keeps well. —Pkt. 5c—Oz. 10c— $\frac{1}{4}$ Lb. 30c—Lb. 85c—5 Lbs. \$3.45—Postpaid.



YELLOW FLESH VARIETIES

Amber Globe—Table size 60 days. Roots grow 5 to 6 inches in diameter; globular shape and the skin is clear, yellow, tinged with green at the top. Flesh yellowish white, fine grained, sweet and tender. Extensively grown for stock, as well as for table. —Pkt. 5c—Oz. 10c— $\frac{1}{4}$ Lb. 30c—Lb. 75c—5 Lbs. \$3.45—Postpaid.

MAGNOLIA WATERMELON SEEDS

Noted for Luscious Fruits and Abundant Yields

CULTURE—Seed should be planted in hills, about 10 or 12 seeds to the hill, 6 to 8 feet apart. Fertilize soil with Vigoro or well rotted manure and plant seeds when ground is warm and dry, young watermelon plants are very sensitive to cold and wet. After plants have formed the first rough leaves, thin to 2 or 3 of the hardiest to each hill. Water frequently with liquid manure to hasten growth and diminish danger from insect pests. Cultivate until plants cover the ground. Use 1 to 2 pounds of seed to acre. Control seed decay and seedling blight, and increase plant vigor and productiveness by treating seeds with Semesan before planting. Protect seeds from birds by using Stanley Crow Repellent. See Crow Repellent listing for instructions on how to use both protections on one type of seed.

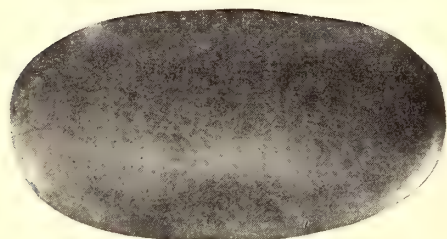
PEST CONTROL—Against Striped Cucumber Beetles and Aphids use Acme Vegetable and Flower Garden Spray. NNOR Garden Spray and Acme Rotenone Garden Guard.

LONG VARIETIES

Wilt Resistant Blacklee, Certified—One of the newer varieties and sure to become known as the best shipper of its kind. A dark green melon, smooth and symmetrical. Tough rind of a texture that keeps the melon in good eating condition longer than any other variety. Melon is very solid and rarely shows any cavities. Rich, red flesh of unusual sweetness almost to the outer skin, and black seed. Practically immune to Wilt. Our strain grown under certification laws of State of Florida.—**Pkt. 15c—1 Lb. sealed bag \$3.95—Postpaid.**

New Darlington, Certified—A wonderful melon for the home garden or home market—too tender and delicate for shipment or long hauls. Irregular dark green stripes alternating with ivory colored stripes make this melon beautiful and showy. Flesh is brilliant red, very tender and melting; almost entirely devoid of fibrous matter. Enticing flavor and appetizing aroma when cut. Seeds almost white, with occasional brownish smears and very few in number. A prolific bearer and practically immune to sun burn.—**Pkt. 15c—1 Lb. sealed bag \$3.95—Postpaid.**

Magnolia Certified Tom Watson—92 days. 50 lbs. Delightful flavor. Very hardy and prolific. Flesh deep red, free from white hearts and stringless. Melon oblong; rind dark green. Seeds light brown. Very popular with market growers. Good shipper.—**Pkt. 10c—Oz. 25c—1/4 Lb. 90c—Lb. \$2.60—Postpaid.**



Wilt Resistant Blacklee



Cletex (also known as Spotted Watson)—90 days. 30 lbs. Good shipper. Vigorous vines, good producer. Flesh red and sweet. Melon similar in shape to Watsons. Rind mottled green. Very tough. Seeds brown smeared.—**Pkt. 10c—Oz. 20c—1/4 Lb. 65c—Lb. \$1.85—Postpaid.**

Halbert Honey—87 days. 32 lbs. Fine quality. Vines hardy and prolific. Flesh crimson red, coloring close to rind, entirely free from stringiness. Melon long, cylindrical. Rind deep green and thin. For home and nearby markets. Second only to Kleckley Sweet in popularity.—**Pkt. 10c—Oz. 15c—1/4 Lb. 60c—Lb. \$1.70—Postpaid.**

Kleckley Sweet (Georgia Sweet)—88 days. 40 lbs. Exceptionally sweet. Vines vigorous and productive. Flesh very bright rich red, fine flavored melon, medium to large oblong, tapering slightly toward stem end. Rind, dark bluish green. Fine for home and nearby markets but a poor shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 60c—Lb. \$1.70—Postpaid.**

Irish Grey—90 days. 35 lbs. Deliciously flavored. Vines vigorous and productive. Flesh very bright red, sweet, and free from stringiness. Melon long and large. Rind light green color. Good shipper.—**Pkt. 10c—Oz. 20c—1/4 Lb. 65c—Lb. \$1.85—Postpaid.**

Wonder Melon—85 days. 30 lbs. Vines vigorous and prolific. Flesh rich, red, well flavored to rind. Melon large and long, resembling Tom Watson, though thicker. Rind, dark solid green. Good shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 60c—Lb. \$1.70—Postpaid.**

Georgia Rattlesnake—92 days. 30 lbs. Tender and sweet. Vines hardy and productive. Flesh scarlet. Melon long, cylindrical. Rind light green, with lighter mottled stripe. Very fine shipper.—**Pkt. 10c—Oz. 15c—1/4 Lb. 60c—Lb. \$1.70—Postpaid.**

Golden Honey—Yellow flesh. 90 days. 25 lbs. Vines hardy and productive. Flesh, delightful spotted golden, most delicious taste. Melon oblong in shape. Rind dark green with irregular stripes of darker green. The best of the yellow fleshed melons and grows increasingly popular with our trade.—**Pkt. 10c—Oz. 25c—1/4 Lb. 95c—Lb. \$2.60—Postpaid.**



Preserving Watermelon Rind

ROUND VARIETIES

Black Diamond or Florida Giant—95 days. 40 lbs. Fine quality. Vines strong and fairly prolific. Flesh deep red, good texture and quite sweet. Melon large round. Rind rich dark green. Seed rather large and black. Good for local market and home, and ships well, a great favorite.—**Pkt. 10c—Oz. 25c—1/4 Lb. 90c—Lb. \$2.60—Postpaid.**

Stone Mountain No. 5 Wilt Resistant—85 days. 40 lbs. One of the best in quality. Flesh rich red, of fine texture, tender, sweet, and luscious. Vines vigorous, fairly prolific. Melon round, slightly elongated, some melons slightly lobed. Rind, light green indistinctly veined with darker green in a fine mesh design. Stands shipping if handled with care.—**Pkt. 10c—Oz. 20c—1/4 Lb. 65c—Lb. \$1.85—Postpaid.**

Dixie Queen—85 days. 32 lbs. Sweetness and flavor unsurpassed. Vines robust and prolific. Flesh, brilliant scarlet, ripening to within one-half inch of rind; fine texture free from stringiness. Melon round; rind, alternating stripes of very light, ivory green and dark green. Seeds small, white and very few to melon.—**Pkt. 10c—Oz. 35c—1/4 Lb. \$1.15—Lb. \$3.35—Postpaid.**



Dixie Queen

MAGNOLIA HARDY FIELD-GROWN VEGETABLES

We urge readers of this book to help overcome world-wide food shortages by planting a big garden this spring. To help, we offer outdoor grown, weather hardened Vegetable Plants. Plant early; Order early to avoid delays. Vegetables grown in your garden taste better and you save money.

We are fortunate in the South with two planting seasons, spring and fall. An all-year-round garden is possible. With a good fall, winter and spring garden, your food supply will be assured and your health and pocketbook safeguarded.

MAGNOLIA CERTIFIED TOMATO PLANTS

Field grown from certified 50 Plants
seed. Sprayed to insure true 77c
to name, disease free plants. Postpaid
Plants grown quickly, pro-
duce rich, red tomatoes. Use Transplan-
tone for successful transplanting. Spray
with Fix for fixing blossoms on plants
and for fewer seeds and solid meat.
Ready April, May and June.

Rutgers—Matures 86 days. Best wilt-
resistant variety. Large, red, globe
shape.

Marglobe—Matures 77 days. Globular,
solid, scarlet, wilt resistant.

Earliana—Matures 66 days—Early bright
red, thick flat medium tomato. A fine
variety for market.

100 plants Postpaid \$1.10

200 Plants Postpaid 1.70

500 Plants Postpaid 2.80

1000 Plants Postpaid 4.85

*2000 Express Collect 7.50

*(F.O.B. Omaha, Texas)

(Minimum shipment, 50 of a variety)

MAGNOLIA FROST PROOF ONION PLANTS

Texas grown plants are fam- 300 Plants
ous nation wide. They grow 98c
large sweet onions early and Postpaid
are good keepers. They can be
set early. Grown from the best seed.
Fresh pulled and shipped the same day.
Ready October to June.

Yellow Bermuda—Matures 88 days. Flat
sweet onion. Always has a ready market.

Crystal White Wax Bermuda—Matures 93
days. Sweet, mild. Excellent eating
onion.

Yellow Sweet Spanish—Matures 98 days.
The best of the very large mild varieties.
Deep amber-orange, globular.

White Sweet Spanish—Matures 110 days.
A pure white onion. Mild, globular.

100 Plants Postpaid \$.50

200 Plants Postpaid75

500 Plants Postpaid 1.45

1000 Plants Postpaid 2.50

2000 Plants Postpaid 4.00

*6000 Express Collect—Wt. 35 lbs. . 8.50

*(F. O. B. North or South Texas)

(Minimum shipment, 100 of a variety.)

ONION and CABBAGE GARDEN

Special combination plant of- 250 Plants
fer to save you money. Pro- 98c
vides seasons supply of on- Postpaid
ions and cabbage. Our choice
of carefully selected varieties. Delivery
April to June.

500 Onion Plants—

100 Cabbage Plants \$1.89

1000 Onion Plants—

200 Cabbage Plants 2.89

200 Onion Plants—

50 Cabbage Plants98

Postpaid



Shipping Instructions

Shipping dates are given. With each vegetable specify shipping date. If not specified, plants will be shipped at the best planting time for your area. Plants guaranteed to arrive in perfect condition for transplanting. Plants when shipped often bleach to a yellowish-green or they may be wilted. This does not hurt the plants. Plant promptly, according to instructions enclosed with plants. They will quickly revive. Use Transplantone for better root system and quicker growth.

MAGNOLIA FROST PROOF CABBAGE PLANTS

Southern grown. Will with- 150 Plants
stand temperatures as low as 98c
20 degrees. Ready October to Postpaid
June. Transplantone reduces
wilting.

Early Jersey Wakefield—Matures 65 days.
Hardy, early, cone shaped. Leaves
leathery and well folded over top.

Copenhagen Market—Matures 70 days.
Earliest of round headed varieties. Heads
heavy, ball shaped, solid. Fine Textured.

Glory of Enkhuizen—Matures 77 days.
Small solid heading. A hardy grower and
sure header. A Market Gardener prefer-
ence.

Early Flat Dutch—Matures 85 days.
Medium early, excellent shipper. Large,
solid, flat head.

50 Plants Postpaid \$.50

100 Plants Postpaid75

200 Plants Postpaid 1.25

500 Plants Postpaid 2.00

(Minimum shipment, 50 of a variety)

MAGNOLIA PEPPER PLANTS

Are suitable for setting in the 50 Plants
open field after danger of 79c
frost. Set Plants be surer of Postpaid
an early crop. Ready, April,
May and June. Rootone aids root growth.

Bullnose—Matures 65 days. Thick, blunt
pendant. Deep green changing to scarlet
at maturity. This earliest pepper of the
bell type well adapted for home and mar-
ket.

California Wonder—Matures 75 days—
Outstanding variety for market garden-
ers. Thick flesh, juice and sweet.

Florida Giant—Matures 75 days. Extra
large, juicy and sweet.

100 Plants Postpaid \$1.20

200 Plants Postpaid 1.75

500 Plants Postpaid 3.00

1000 Plants Postpaid 5.00

*2000 Express collect—Wt. 20 lb. 9.00

*(F.O.B. Omaha, Texas)

(Minimum shipment, 50 of a variety)

MAGNOLIA PORTO RICA "YAMS" SWEET POTATO PLANTS

Are field grown, State-in- 100 Plants
pected and certified. Healthy, 98c
sturdy, vigorous. Our yams Postpaid
have a deep rich red meat
that is sweet and tasty. Northern mar-
kets pay top prices for this variety. Ready
April, May and June.

For quicker and more abundant roots,
dust with Rootone.

200 Plants Postpaid \$1.75

500 Plants Postpaid 3.00

1000 Plants Postpaid 4.75

VEGETABLE PLANTING GUIDE

VEGETABLES—Quantity of Seed—When and How to Plant

NAME OF VEGETABLE	Seed Required to Plant		Distance Between Rows	Plants Apart In Row	To Plant Depth	TIME TO PLANT
	100 feet of row	One Acre				
ASPARAGUS ROOTS	65.....	7,790.....	4 ft.....	18 in.....	6 to 8 in.....	Jan. to Mar.
BEANS, Bush, Snap and Lima	1 lb.....	38 to 50 lbs.....	2 to 3 ft.....	3 in.....	1 in.....	Jan. to April; Aug. and Sept.
BEANS, Pole and Lima	1/2 lb.....	15 to 20 lbs.....	3 to 4 ft.....	6 to 8 in.....	1 in.....	Mar. to May; Aug. and Sept.
BEETS	1 oz.....	6 lbs.....	18 to 24 in.....	2 in.....	1 in.....	Feb. to May; Sept. and Oct.
BROCCOLI	1/4 oz.....	1/4 lb.....	2 to 3 ft.....	18 to 24 in.....	1/2 in.....	Jan. to April; Aug. to Oct.
BRUSSELS SPROUTS	1/4 oz.....	1/4 lb.....	2 to 3 ft.....	18 to 24 in.....	1/2 in.....	Oct. to Mar.; June to Aug.
CABBAGE	1/4 oz.....	4 to 6 oz.....	2 to 3 ft.....	12 to 24 in.....	1/2 in.....	Oct. to Mar.; June to Aug.
CABBAGE PLANTS	50 to 100.....	10,000 to 20,000.....	2 ft.....	12 to 24 in.....	2 to 4 in.....	Mar. to May; July to Sept.
CARROT	1/2 oz.....	2 to 3 lbs.....	3 to 5 ft.....	Hills 4-6 ft.....	1 in.....	Mar. to July
CANTALOUPE	1 oz.....	2 to 3 lbs.....	15 to 24 in.....	1 to 3 in.....	1/2 in.....	Feb. to May; Aug. to Oct.
CAULIFLOWER	1/4 oz.....	1/4 lb.....	2 to 3 ft.....	12 to 24 in.....	1/2 in.....	Jan. to April; Aug. and Sept.
CELERY	1/4 oz.....	1/4 lb.....	2 to 4 ft.....	4 to 18 in.....	1/2 in.....	Aug. to Oct.; Feb. and Mar.
CELLARDS	1/2 oz.....	5 oz.....	24 to 30 in.....	12 to 18 in.....	1/2 in.....	Sept. to May
CORN, Sweet and Sugar	1 lb.....	10 to 12 lbs.....	3 ft.....	12 to 18 in.....	1 to 2 in.....	Feb. to April; July and Aug.
CORN, Pop.	1/2 lb.....	6 to 8 lbs.....	3 ft.....	1 ft.....	1 to 2 in.....	Mar. to May
CUCUMBERS	1/2 oz.....	4 lbs.....	3 to 5 ft.....	3 to 5 ft.....	1 in.....	Mar. to May; Aug. and Sept.
EGGPLANT	1/4 oz.....	5 to 6 oz.....	2 to 3 ft.....	18 to 24 in.....	1/4 in.....	Jan. to April
EGGPLANT PLANTS	50-65.....	9,680 to 10,890.....	2 to 3 ft.....	18 to 24 in.....	3 in.....	Feb. to May
ENDIVE	1 oz.....	2 lbs.....	18 to 24 in.....	8 to 12 in.....	1/4 in.....	April to June; Sept. to Nov.
HORSERADISH ROOTS	100 to 200.....	21,780 to 43,560.....	2 ft.....	6 to 12 in.....	2 in.....	Feb. and Mar.
KALE or BORECOLE	1 oz.....	3 to 4 lbs.....	24 to 36 in.....	18 in.....	1/2 in.....	Sept. to Mar.
KOHL RABI	1/2 oz.....	4 lbs.....	18 in.....	5 to 6 in.....	1/2 in.....	Sept. to Mar.
LETTUCE	1 oz.....	2 lbs.....	12 to 18 in.....	4 to 8 in.....	1/2 in.....	Sept. to Mar.
MUSTARD	1 oz.....	2 to 4 lbs.....	6 to 12 in.....	2 to 3 in.....	1/2 in.....	Feb. to May; July to Nov.
OKRA	2 oz.....	8 to 10 lbs.....	3 ft.....	18 to 24 in.....	1 in.....	Mar. to June
ONION	1 oz.....	4 to 6 lbs.....	12 to 18 in.....	3 to 4 in.....	1/2 in.....	Aug. to Oct.; Jan. to April
ONION PLANTS	300.....	35,000.....	3 ft.....	4 in.....	3 in.....	Jan. to May
ONION SETS	3 lbs.....	8 bu.....	18 in.....	2 in.....	2 in.....	Jan. to May; Aug. to Nov.
PARSLEY	1 oz.....	4 to 5 lbs.....	12 to 18 in.....	2 to 3 in.....	1/2 in.....	Feb. to May; Sept. to Nov.
PARSNIPS	1/2 oz.....	3 lbs.....	18 in.....	3 to 4 in.....	1/2 in.....	Feb. and Mar.; Sept.
PEAS	2 lbs.....	70 to 150 lbs.....	2 to 3 ft.....	2 in.....	2 in.....	Jan. to April; Aug. to Oct.
PEPPER	1/4 oz.....	1 to 1 1/2 lbs.....	18 to 30 in.....	15 to 18 in.....	1/4 in.....	Jan. to April
PEPPER PLANTS	65 to 80.....	13,000 to 19,000.....	18 to 30 in.....	15 to 18 in.....	3 in.....	Mar. to June
POTATOES, Irish	1/2 pk.....	8 bu.....	3 ft.....	15 in.....	4 in.....	Feb. to April; July and Aug.
POTATOES, Sweet, Plants	50.....	7,260.....	3 ft.....	2 ft.....	5 in.....	April to July
PUMPKIN	1/2 oz.....	3 to 4 lbs.....	8 ft.....	5 ft.....	1 in.....	Mar. to June
RADISH	1 oz.....	10 to 12 lbs.....	12 to 18 in.....	1 to 2 in.....	1/2 in.....	Aug. to May
RHUBARB or PIE PLANT ROOTS	40.....	6,500.....	2 1/2 ft.....	2 1/2 ft.....	1/2 to 1 in.....	Jan. to Mar.
RUTABAGA	1 oz.....	2 to 4 lbs.....	1 to 2 ft.....	3 to 4 in.....	1/2 in.....	Feb. to May; July to Nov.
SALSIFY	1 oz.....	6 to 8 lbs.....	18 in.....	2 to 3 in.....	1/2 in.....	Feb. to May
SPINACH	2 oz.....	10 to 12 lbs.....	14 to 18 in.....	3 to 6 in.....	1 in.....	Feb. to April; Aug. to Nov.
SWISS CHARD	1 oz.....	6 lbs.....	1 ft.....	3 in.....	1 in.....	Feb. to May; Sept. and Oct.
SQUASH	1 oz.....	3 to 4 lbs.....	3 to 4 ft.....	3 to 4 ft.....	1 in.....	Mar. to Sept.
TOMATO	1/8 oz.....	2 oz.....	4 ft.....	3 ft.....	1/4 in.....	Dec. to Mar.; Aug. to Sept.
TOMATO PLANTS	35.....	3,630.....	4 ft.....	3 ft.....	5 in.....	Mar. to May
TURNIPS	1 oz.....	2 to 4 lbs.....	1 to 2 ft.....	3 to 4 in.....	1/2 in.....	Feb. to May; July to Nov.
WATERMELON	1 oz.....	1 to 2 lbs.....	6 ft.....	6 to 8 ft.....	1 in.....	Mar. to May

VEGETABLES NEEDED FOR ONE PERSON FOR ONE YEAR

Vegetables	Serving per week per person	Amount needed per person for 52 weeks		
		Fresh	Stored	Canned
Beet greens	2	18 lbs.		9 qts.
Broccoli				
Chard or Kale				
Dandelion greens				
Spinach				
Cucumbers	(Likes—not needs)			
Radishes	4	4 lbs.	40 lbs.	
Cabbage				
Celery				
Chinese Cabbage				
Endive				
Lettuce	3-4 for adults 7 for children	8 lbs. 16 lbs.		22 qts. 38 qts.
Tomatoes				
Asparagus				
Carrots				
Corn				
Green Peas	5	3 lbs. 2½ doz. 6 lbs.	22 lbs.	6 qts. 6 qts.
Onions				
Snap Beans				
Beets	3	3 lbs.	22 lbs.	6 qts.
Cauliflower				
Kohl-rabi				
Parsnips				
Rutabagas or turnips				
Salsify	7	8 lbs.	1½ bu.	
Squash (winter)				
(summer)				
Potatoes				

Eat something from each Group every day!



Vegetables Occupy Group One of The Basic Foods—

Magnolia



Seeds

FLOWERS

★Star Means They Are Exceptionally Fine. (See Page 32 for Planting Data. Cultural Instructions on Seed Packets.)

FLOWERING VINES AND CLIMBERS

CARDINAL CLIMBER — Dainty annual climber for warm, sunny locations. Foliage fern-like; flowers cardinal-red. Blooms abundantly until frost. **Pkt. 15c.**

CYPRESS VINE — Soft, deep green fern-like foliage. Flowers trumpet-like with star shaped rims. **Pkt. 15c.**

GOURDS — Fruits are frequently painted and varnished for house ornaments.

Mixed, Large Fruited. **Pkt. 10c. Oz. 40c.**
Mixed, Small Fruited. **Pkt. 10c. Oz. 40c.**

JACK BEAN (HYACINTH BEAN) — Quick growing climber producing heart-shaped leaves and numerous spikes of pea-like flowers and ornamental seed pods. **PURPLE, WHITE or MIXED. Pkt. 10c. Oz. 30c.**

MOON FLOWER — Very vigorous climber. Flowers often four inches across and the leaves make excellent shade. Flowers open each evening and remain until morning.

NOCTIFLORA, White—Pkt. 10c.

BONA NOX — Blue with purple throat. **Pkt. 10c.**

MORNING GLORY — Showy climber. Brilliant morning blooms.

CORNELL — Gorgeous red, with white throat. **Pkt. 25c.**

★**HEAVENLY BLUE** — A lovely deep blue, cream throat. **Pkt. 10c.**

★**SCARLET O'HARA** — The new brilliant dark wine red. **Pkt. 10c.**

★**PEARLY GATES** — Large, white flowers, blending to cream, deep in the throat. **Pkt. 10c.**

MIXED—10c.

★**QUEEN'S WREATH**

(**MEXICAN LOVE VINE**) — Also known as Mountain Rose, Coral Bell or Coral Vine. Its long racemes of rose-pink flowers are very lovely and the foliage, while not especially heavy, is attractive. **Pkt. 10c.**

SCARLET RUNNER

BEAN — Rapid Climber. Bears large sprays of bright sweet pea-like flowers. Dry beans are bright scarlet splotted with purple. **Pkt. 10c. Oz. 15c.**

SWEET PEAS (EARLY SPENCERS) — For Christmas blooming plant Early Spencers in July and August. In South Texas especially these early flowering Spencers are very popular.

MARINER, Blue; BALL'S ROSE; or MIXED. Pkt. 10c—Oz. 70c—1/4 Lb. \$1.60—Lb. \$6.00.

SWEET PEAS (LATE SPENCERS) — Plant about November in a trench 18 inches deep, covering about one inch. Then add an inch of soil as the tops come through. This will develop a deep root which will carry the plants through into the late summer. Their fragrant blooms are lovely for cut flowers. Cutting insures a larger quality of blooms. Flowers exceptionally large.

RED SUPREME — Crimson Scarlet.

WELCOME — Dazzling Scarlet.

GIGANTIC — Clear White.

OLYMPIA — Rich Purple.

ROSIE — Gorgeous Rose Pink.

REFLECTION — Clear Blue.

POWERS COURT — Lovely Lavender.

PIRATE GOLD — Golden Orange.

Pkt. 10c—Oz. 35c—1/4 Lb. \$1.05—Lb. \$3.50.

MIXED — Mixture of fine colors.

Pkt. 10c—Oz. 30c—1/4 Lb. \$1.00—Lb. \$3.00.



Sweet Peas



Heavenly Blue Morning Glory



Cypress Vine



Gourds, Small Varieties Mixed

FLOWER SEEDS

Beautiful Flowers Mean Beautiful Homes!
So Inexpensive—Buy a Variety! Today!

★ Star Means they are Exceptionally Fine

Finest Varieties—All Postpaid

AGERATUM (FLOSS FLOWER)—Feathery flowers, borne in dense clusters. Very decorative for bouquets. Drouth resistant.

BLUE PERFECTION—The popular deep blue. **Pkt. 10c.**

ALYSSUM, LITTLE GEM—Clusters of small white flowers. Very fragrant and very attractive in small bouquets. Cut back plants for a constant succession of blooms. **Pkt. 10c.**

ALYSSUM, VIOLET QUEEN—Beautiful deep lavender flowers on compact plants. A fine border plant. **Pkt. 10c.**

AMARANTHUS (LOVE LIES BLEEDING)—Long drooping crimson spikes of flowers. Do well in good moist, lime soil, but colorings are more vivid in poorer ground. **Pkt. 10c.**

★ **ASTERS (GIANTS OF CALIFORNIA, WILT RESISTANT)**—Wilt resistant strains of asters have increased this flower's popularity. We recommend fresh seed and fresh soil annually. Desirable cut flowers. For early blooming, start seeds indoors or in hot beds in December and January. Transplant when danger of frost is over. Mixed colors. **Pkt. 10c.**

BACHELOR BUTTON (CORN FLOWER)—Blossoms are somewhat thistle-like in form. Drouth-resistant. Blue, Rose or Mixed. **Pkt. 10c.**

BALSAM (LADY'S SLIPPER)—Does well in partial shade. Double blossoms cling closely to the central stalk. Plants sturdy and bushy and can stand hot sunshine, rich soil and plenty of water. Colors frequently mix in the flower. Shades of rose, pink and lavender. Finest mixed. **Pkt. 10c.**

★ **BLUE LACE FLOWER**—Dainty, lacy clusters of sky blue flowers make this plant especially appealing. Its flowers add charm to bouquets. **Pkt. 10c.**

BLUEBONNET—See Texas Blue Bonnet.

CALENDULA (POT MARIGOLD)—Blossoms all summer in almost any soil if seed pods are kept off. Likes moist soil.

CAMPFIRE—Dark Orange with a scarlet sheen. Early and very pleasing.

ORANGE KING—Deep orange with dark center.



Carnation—Chabaud's Giant Double

LEMON QUEEN—Lemon yellow. **FINEST MIXED**

All above—Pkt. 10c.

★ **CALLIOPSIS — GOLDEN CROWN** — Award of merit, All American selection 1938. Its fragrant, rich, orange-yellow flowers borne on long wiry stems are fine for cutting. **Pkt. 10c.**

CANDYTUFT—Well suited to this section. Needs plenty of sunshine and only a moderate amount of water.

★ **GIANT WHITE HYACINTH FLOWERED**—Produces large floral spikes resembling a well formed hyacinth. **Pkt. 10c.**

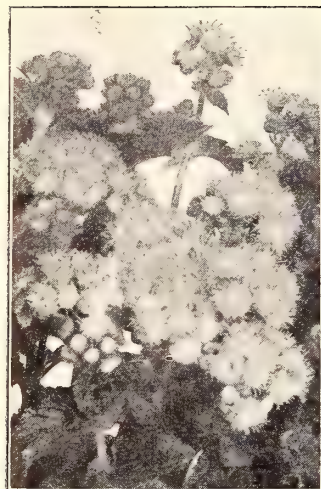
UMBELLATA—A compact round flower, umbrella formed. Delightful for bouquets. Mixed colors. **Pkt. 10c.**

★ **CANTERBURY BELLS** — Branching plants bear heavily, double canterbury bells of various shades of blue and pink. **Pkt. 10c.**

CARNATION—With a protection of litter or straw, these flowers stand the winter and flower freely the following spring.

★ **CHABAUD'S GIANT**—Bloom about six months after replanting. Produces an abundance of large, double, clove-scented flowers. Mixed colors. **Pkt. 25c.**

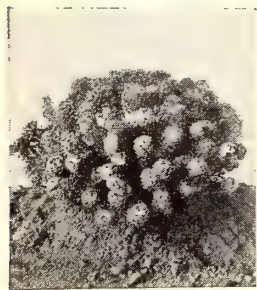
CASTOR BEANS—Strong growing plants, with ornamental foliage well adapted for border backgrounds, temporary screen plantings. **Pkt. 10c.**



Ageratum



Aster Improved Queen of the Market



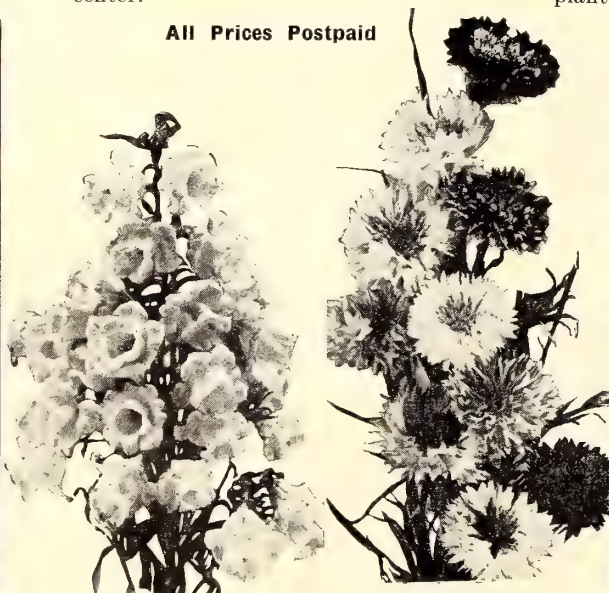
Alyssum Violet Queen



Calliopsis Golden Crown



Balsam—Lovely Bedding Plant



Canterbury Bells

Bachelor Button—
or Corn Flower



Blue Lace Flower

All Prices Postpaid



Calendula Campfire—Improved Florist Strain

Buy Today-For Beautiful Flowers Tomorrow

★ Star Means They are Exceptionally Fine

COSMOS—Bloom in late summer and fall. Do well in any sunny place. Bloom more profusely in poor soil, which prevents excessive root growth. Drouth resistant.

★**EXTRA EARLY DOUBLE CRESTED**—A charming cosmos having a large center crest. Mixed colors.

Pkt. 15c.

ORANGE FLARE—Golden orange. Fine for cutting.

Pkt. 10c.

MIXED—Variety of brilliant colors. Pkt. 10c.

CYNOGLOSSUM—**FIRMAMENT** — Also known as Chinese Forget-me-not. Free blooming over a long season. Flowers bright indigo blue. Very hardy, growing in dry and even poor soil. Pkt. 10c.

★**DAHLIA**—(See Back Cover.)

DAISY—**SHASTA**—Large white, single blooms with yellow centers. Pinch back early buds to improve size of later flowers. Valuable for borders and bouquets. Pkt. 10c.

PAINTED (20 inch)—Free flowering, producing quantities of blooms of delicate coloring, poised on long, stiff stems. Pkt. 10c.

★**DELPHINIUM**—(See back cover.)

FORGET-ME-NOTS (*Myosotis Alpestris*) — Blooms early and late. Prefers cool, moist loam and half shade. A lovely blue flower, much appreciated in bouquets. Pkt. 15c.

FOUR O'CLOCK—**MARVEL OF PERU** — Similar to Periwinkle in hardiness. Flowers open late in afternoon. Drouth resistant. Colors mixed. Pkt. 10c.

GLOBE AMARANTH (Old - Fashioned **BACHELOR BUTTON**)—Everlasting or straw flower. Clover-like blossoms of brilliant purplish red, soft pink and white often striped with violet. Mixed colors. Pkt. 10c.

GODETIA—These hardy annuals provide graceful sprays for cut flower purposes. Their ease of growth (treatment similar to Cosmos and Zinnia) makes them especially pleasing in Texas. Do well in poor soil. Mixed double. Pkt. 10c.

★**GYPSOPHILA**—**COVENANT GARDEN STRAIN**—**BABY'S BREATH**—Dry and use year around. Plant literally covered with delicate flowers.

GRANDIFLORA A L B A — Improved, large flowered white. Pkt. 10c.

ROSEA—A beautiful shade of rose. Pkt. 10c.



Columbine
Lovely, Dainty Colorful Flowers

★**CHINESE WOOLFLOWER** — Lovely and unusual. Branches luxuriantly and vivid flower clusters, like balls of yarn, are borne on the stem ends. Flowers are very lasting. A single plant often looks like a big bouquet. Pkt. 10c.

CHRYSANTHEMUM, DOUBLE — Bloom in the late summer and fall. Size of flower increased by pinching off buds, allowing fewer to bloom. Mixed colors. iage. Pkt. 10c.

CLARKIA, DOUBLE—Plant is graceful and erect, foliage light green. Likes poor soil. Delicately colored double flowers set closely along stem. Colors mixed. Pkt. 10c.

COCKSCOMB—A fine foliage plant. Does well on poor soils.

★**PRESIDENT THIERS** (1 ft.) — Enormous velvety, crimson combs, bronze foliage. Pkt. 10c.

MIXED—Pkt. 10c.

★**COLUMBINE** (**MRS. SCOTT ELLIOTT'S STRAIN OF LONG-SPURRED HYBRIDS**)—The blooms of these dainty flowers are very large and the spurs quite long. Wide range of colors with pastel tones predominating. Pkt. 25c.

★**COREOPSIS**—**MAYFIELD GIANT** — A much improved type of coreopsis. Large single flowers of bright yellow. Long stems. Drouth resistant. Pkt. 10c.

CORN FLOWER—See Bachelor Button.



Coreopsis
Old-Fashioned Favorite



Cynoglossum
Fine for Mass Beds



Cosmos
Extra Early Double Crested



Cosmos
Orange Flare

All Prices Postpaid.



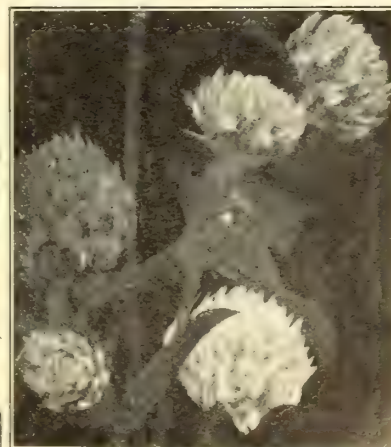
Clarkia—Lovely Cut Flowers



Candytuft



Cockscumb President Thiers



Globe Amaranth



Shasta Daisy



Helianthus Sun Gold

BRILLIANT FLOWERS

For All Season Color

So Easy to Plant—So Easy on the Purse—So Good for the Eyes

★Star Means They are Exceptionally Fine

HIBISCUS — Used extensively for background. Produces large, showy flowers from 4 to 6 inches in diameter. Very hardy. Colors mixed, shades of red, pink and white. **Pkt. 10.**

MARIGOLD—These popular flowers bloom abundantly long after most flowers are past their prime. Tall Marigolds are fine for borders; dwarfs valuable for bedding and edging.

★FLASH—See Back Cover.

★POT O' GOLD—See Back Cover.

★MAMMOTH MUM — See Inside Back Cover.

★SUNSET GIANTS — See Inside Back Cover.

HARMONY MIXTURE (2 ft.) — The flowers have crested centers, flanked by deep petals and the color range includes popular orange and maroon red combinations, bright yellow, mahogany, red and many others. Early blooming. **Pkt. 10c.**

GUINEA GOLD MARIGOLD (2 ft.)—Brilliant golden orange about 2½ inches across, semidouble, loosely ruffled. Very prolific. **Pkt. 10c.**

YELLOW SUPREME (2½ ft.)—A large lemon yellow "carnation flowered" Marigold with delicate honey-like fragrance. Increasingly popular. **Pkt. 10c.**

AFRICAN TALL DOUBLE (2½ ft.)—A beautiful flower, remains the best known and most popular of marigolds. **Pkt. 10c.**

DWARF FRENCH MARIGOLD (2 ft.)—Very prolific. 1½ inch blooms are often two-toned in yellow, brown, lemon, orange. **Pkt. 10c.**

SPRY MARIGOLD — Compact 9 inch bushes producing quantities of small flowers of Dwarf French type. **Pkt. 10c.**

HELIANTHUS (Sunflower) **SUN GOLD** Strikingly beautiful, 100 per cent double sunflowers. Plants grow 4 to 5 ft. and brilliant golden yellow flowers measure from 4 to 5 inches in diameter. Easy to grow. A midsummer splash of color.—**Pkt. 10c.**

HOLLYHOCKS—Set amidst tall growing shrubs, this plant lends beauty and color to them. Lovely double flowers, deeply frilled and fringed at the edges.

CHATER'S DOUBLE MIXED—Perennial—**Pkt. 15c.**

INDIAN SPRING — (See Inside Back Cover.)

LANTANA—Above the large green leaves rise verbena-like clusters of fragrant flowers in shades of crimson, rose, orange and yellow, followed by green berries that turn later to a deep blue. Finest mixed.—**Pkt. 10c.**

★**LARKSPUR, GIANT IMPERIAL** (3½ ft.) — Tall; upright, compact, basal branching in habit. Delphinium-like spikes of double flowers, carried on long stems, are compactly placed on upright plants requiring only about half the space needed for other types of Larkspur.

BLUE BELL—Azure Blue.

WHITE KING—Glistening White.

BLUE SPIRE—Deep Violet Blue.

LILAC SPIRE—Lovely Lilac.

EXQUISITE PINK—Soft Pink, shaded salmon.

CARMINE KING—Deep carmine rose.

FINEST MIXED COLORS—

All above—Pkt. 10c—Oz. \$1.35

SPRING PLANTING BULBS

enhance the beauty of your flower garden. (See pages 28 and 29) Be sure to plant generously this spring for summer and fall beauty.

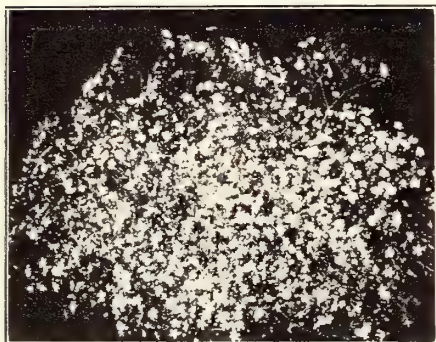


Lantana—A most interesting plant because of rapidly changing color.

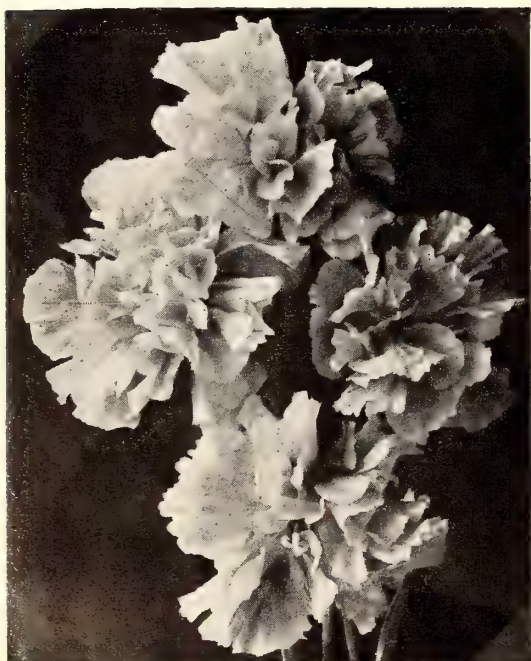


Hibiscus—A fine background plant

Four O'Clock—A brilliant hedge plant



Gypsophila



Godetia—Gorgeous and easy to grow

CONSULT THE
FLOWER PLANTING GUIDE
(Page 32)
For Planning
COLOR All Season

Magnolia Seeds Produce the Best Blooms —at Least Expense

★Star Means They are Exceptionally Fine

MEXICAN FIRE BUSH — Furnishes a quick hedge very symmetrical in appearance. Does well in poor soil. Green moss-like foliage turns bronze red at frost. **Pkt. 10c.**

MIGNONETTE — Grown principally for delightful scent. Likes lime soil. Vigorous plant, dark leaves, cone-shaped spikes of fragrant blossoms; useful in bouquets for fragrance. **Pkt. 10c.**

NASTURTIUM (See Illustration Inside Back Cover)—Blossoms early and indefinitely, if flowers are picked before seed is formed.

★**GOLDEN GLEAM** — Fragrant double blossoms, carried on long stems. **Pkt. 10c.**

★**SCARLET GLEAM**—A brilliant double scarlet. **Pkt. 10c.**

★**MIXED GLEAM HYBRIDS**—(See Illustration Inside Back Cover). **Pkt. 10c.**

★**MAHOGANY**—Semi-double, very dark red. **Pkt. 10c.**

DWARF SINGLE NASTURTIUM — Low-growing bushes. Suited for edging or borders. **Pkt. 10c—Large Pkt. 25c.**

NIEREMBERGIA — (See Inside Back Cover.)

PANSY—Sow seeds in fall or very early spring in protected seed beds; cover lightly and transplant later, about 5 inches apart.

★**SWISS GIANTS**—Very fine mixture of large blooming varieties. **Pkt. 25c.**

PETUNIA—Can be grown anywhere in mass beds, as border plants, for window boxes over-hanging terrace walls or in pots, indoor. Bloom in two months after planting.

★**CHEERFUL**—(See Inside Back Cover.)

★**RUFFLED MONSTERS** (14 in.)—Single blossoms. Lovely. **Pkt. 25c.**

★**ELK'S PRIDE** (14 in.)—Deep velvety purple. Very large. **Pkt. 25c.**

★**FLAMING VELVET**—Georgous, dark velvety red. Simply magnificent.—**Pkt. 25c.**

HEAVENLY BLUE (12 inches)—A good silvery blue which, however, will vary in shades of blue. **Pkt. 25c.**

PETUNIAS (Cont.)

CELESTIAL ROSE—An improved Rosy morn—very beautiful. **Pkt. 15c.**

HOWARD STAR IMPROVED (18 in.) —A very showy Petunia, crimson maroon in color with a clearly defined white star. **Pkt. 10c.**

ROSE OF HEAVEN—Rich brilliant rose with inconspicuous white throat. Somewhat darker than the Rosy Morn, but is equally free blooming. **Pkt. 15c.**

ROSY MORN (Illustrated) (10 in.)—Rosy pink flowers with large white throat. Very free blooming. **Pkt. 15c.**

GENERAL DODD (2 ft.)—Blood red. **Pkt. 10c.**

ROSE KING—A good all-purpose rose. **Pkt. 10c.**

WHITE—**Pkt. 10c.**

VIOLACEA (2 ft.)—Violet Blue.—**Pkt. 10c.**

MIXED (2 ft.)—Lovely shades.—**Pkt. 10c.**

PHLOX, Drummondii—The old-time favorite that has been quite scarce since the beginning of the war. We are importing these seeds this year, since the American market is not offering. We can supply these European favorites:

CHAMOIS ROSE—Big soft rose with carmine eye.

SPLENDENS — Brilliant scarlet with white eye.

ISABELLINA—Creamy yellow.

PURPUREA—Clear, dark purple.

★**STAR MIXED**—The lovely novelty star-shaped flower in a wide array of colors and mixtures.

FINEST MIXED—All colors.

Pkt. 25c.

PINKS, DIANTHUS — Spicy-odored annuals that reseed themselves. Produce variety of brilliant colors and profusion of blooms. Like lime soils. Drouth resistant. **Pkt. 10c.**

POPPIES, DOUBLE SHIRLEY — The satiny texture of the beautiful Double Shirley will delight you, and the range of color of our stock is the finest available. **Pkt. 10c.**

SINGLE SHIRLEY—(Illustrated next page)—(2 ft.)—Range in color from purest white to deepest crimson with all the intermediate shades. Many daintly edged and striped. Rarely two flowers alike. Known as "Silk Poppy."—**Pkt. 10c.**



Mignonette
An Old-Fashioned Flower of
Lovely Fragrance



Pansy
Swiss Giant



Petunia Hybrid Nana
Erecta Rosy Morn



Petunia
Ruffled Monsters



Dwarf Single Nasturtium

French Marigold



Guinea Gold Marigold



Phlox Drummondii
A Favorite in
Old Fashioned Gardens



Pinks—(Dianthus)

NEW FLOWERS FOR YOUR GARDEN

NEW BEAUTY IN YOUR HOME AND FOR YOUR LANDSCAPE PLAN

★Star Means They are Exceptionally Fine



Poppy—Single Shirley



Poppy—Double Shirley



Scabiosa



Portulaca—Double

POPPIES—(Continued)

AMERICAN LEGION—(2 ft.) — Giant brilliant scarlet flower with White Maltese Cross. Held erect on long, strong stems. Texture silky. **Pkt. 10c.**

★**SUNBEAM HYBRIDS** — A cross between the Shirley and Nudicaule types, with flowers in charming shades of orange, salmon and other tints. **Pkt. 15c.**

CALIFORNIA (ESCHSCHOLTZIA) — (12 in.)—This delightful flower belongs in every garden. Plants grow in tufts, with lacy blue-green foliage. Long tapering buds expand into handsome saucer-shaped blossoms. Bloom profusely all summer. Yellow or mixed. **Pkt. 10c.**

★**TULIP** (2 ft.) — Large Tulip-shaped flowers of dazzling scarlet with black maltese cross. **Pkt. 10c.**

PORTULACA—(MOSS ROSE) (16 in.)

—Especially desirable for edging, in mass beds, on mounds or in rock gardens. Low growing plant with thick, fleshy, waxy stem. Brilliantly colored flowers; cup-shaped in single varieties and rose-like in double. Drouth resistant. **SINGLE MIXED. Pkt. 10c.**

DOUBLE MIXED. Pkt. 15c.

QUEEN ANNE'S LACE FLOWER — (2 ft.)

—The white lacy, flower so common in Texas, which softens and beautifies bouquets and graces so many borders. **Pkt. 10c.**

★SALPIGLOSSIS (PAINTED TONGUE) (2 ft.)

—The long flowering period of this plant combined with its showy flowers makes it desirable for every garden. Flowers are richly colored, velvety in texture, lily in shape. Golden veining adds to their beauty. **Pkt. 10c.**

★SALVIA SPLENDENS—(SCARLET SAGE) (2 ft.)

—At last we can again offer the lovely annual Scarlet Sage. We anticipate receiving some from abroad, even though seeds are scarce and the price high. **Pkt. 25c.**

★SCABIOSA, IMPERIAL GIANT BLUE MOON (See Inside Front Cover) (3 ft.)

—Fully double and a deep lavender blue of unusual attractiveness. Won Honorable Mention in 1939 All American Selections. Blooms on long stem, fine for cutting. **Pkt. 10c.**

SCABIOSA (PIN CUSHION FLOWER) (2½ ft.)

— Stamens light in color and in contrast with petals look like pins stuck into a cushion. Soft tones predominate. **Pkt. 10c.**

SNAPDRAGON (ANTIRRHINUM) (Rust Resistant) (2 ft.)—Long showy spikes of tubular flowers, with spreading lobes and finely marked throats. Fragrant as well as brilliantly colored. Very desirable for cutting. Likes poor soil.

BRONZE	INDIAN
BRIGHT	SUMMER
ROSE	YELLOW
SCARLET	JACKET
	MIXED

Pkt. 10c

STATICE (EVERLASTING) (12 in.)

—Plants thrive in sunny locations and in poor soil. Flowers borne in dense groups of blossoms in graduated rows along their curving tips. Very dainty. Extensively used by florists. Mixed colors. **Pkt. 10c.**

★STOCKS (EARLY GIANT IMPERIAL) (26 in.)

—These giant stocks will unquestionably supersede all others for outdoor planting. Delightfully fragrant and very hardy. **CHAMOI ROSE, (Golden Old Rose), LAVENDER, DARK BLUE, FIERY BLOOD RED, SANTA MARIA (Giant White). Pkt. 10c.**

STOCKS—DWARF 10 WEEKS (14 in.)

(Gilliflower)—A favorite of long standing. Fragrant and hardy. Mixed colors. **Pkt. 10c.**



Snapdragon

HERE'S HOW!

To Garden In The Dallas Area—By Margie Korn, is a book written in every-day language for ready reference by the gardeners living within 100 miles of Dallas. Covers every phase of gardening, particularly flowers and bulbs. 40 pages of down to earth, good reading matter.

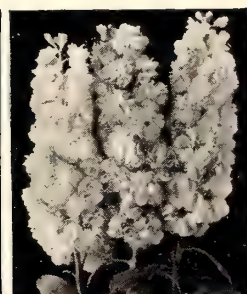
Only 75c—Postpaid



Queen Anne's Lace Flower



Statice



Stocks Giant Imperial



Stocks Ten Weeks



Salpiglossis—Outstandingly lovely in its wide range of velvety colors, all veined with gold

Color—Brilliant Flowers For You

No Home Is Complete Without Flowers—Plant from Dependable and Inexpensive Magnolia Seed Strains.

★Star Means They are Exceptionally Fine

SWEET WILLIAM — An old-fashioned flower, well known. Pleasing especially because of wide range of colors and fragrance. **Pkt. 10c.**

TEXAS BLUE BONNET (LUPINES) — This lovely flower is fine for perennial borders. Reseeds itself. Grows practically anywhere. Does specially well on lime soils. **Pkt. 10c.**

TITHONIA—A startling brilliant flower. Flowers last well. Adapted to Texas conditions.

SPECIOSA—Mixed. **Pkt. 10c.**

TOUCH-ME-NOT—(See Balsam)

VERBENA—(Illustrated) — Very desirable for massing in beds or borders. Blooms from early spring until heavy frost. Used extensively for raised mounds. Likes poor soil.

SPECTRUM RED; PINK AND ROSE SHADES; FINEST MIXED; WHITE. **Pkt. 10c.**

VINCA (PERIWINKLE)—Glossy dark green foliage, very attractive. Blossoms somewhat like those of phlox, but much larger and not borne in clusters. **ROSE: WHITE; WHITE WITH RED EYE: AND MIXED. Pkt. 10c.**

ZINNIAS

Each year many new and delightful flowers are produced in the zinnia family. We list those which have been tested and proved satisfactory in this area.

★**ZINNIA—SUPER CROWN OF GOLD** (3 ft.)—Combining the ruggedness of the California Giant with the soft effect of the Dahlia Flowered.

Our pastel mixture of Super Crown of Gold Zinnias includes soft yellow, old gold, light pink, apricot pink, and various shades of salmon, buff, peach, cerise, as well as white and cream. Each petal, at the base, is overlaid with a deep golden yellow, while carrying out the individual flower color at the tip. We consider this the finest of the Zinnias. **Pkt. 10c.**

★**ZINNIA—FANTASY**—A lovely flower. Petals curved and partially quilled like those of the Cactus Dahlia. Flowers medium size in a fine range of shades.

WILDFIRE—Dazzling scarlet. **Pkt. 15c.**

MIXED—Wide range of color. **Pkt. 10c.**

ZINNIAS (Continued)

ZINNIA—GIANTS OF CALIFORNIA—(2½ ft.) (See Inside Back Cover Illustration.) The largest of the Zinnias, sometimes measuring 4 to 6 inches.

VIOLET QUEEN (Purple)

ORANGE KING

PURITY (White)

ROSE QUEEN

SCARLET QUEEN (Red)

LAVENDER QUEEN

MISS WILMOTT (Pink)

CANARY YELLOW

GOLDEN QUEEN

Pkt. 10c—Oz. \$1.40—Postpaid

MIXED: Pkt. 10c—Oz. \$1.30—Postpaid

ZINNIA—LILLIPUT (12 in.) (See Outside Front Cover Illustration.) — Produces an abundance of double flowers about 1 in. in diameter. Very popular for bouquets.

SALMON GEM

GOLDEN GEM

ROSEBUD

WHITE GEM

CANARY GEM

SCARLET GEM

PURPLE GEM

Pkt. 10c—Oz. \$1.20—Postpaid

MIXED: Pkt. 10c—Oz. \$1.10—Postpaid

ZINNIA — DAHLIA FLOWERED (2½ ft.)—Flowers are 2½ to 4 inches across and are particularly liked for their slightly hollowed petals which are loosely placed.

DREAM (Orchid)

EXQUISITE (Rose Pink)

CANARY YELLOW

CRIMSON MONARCH

ILLUMINATION (Rose)

POLAR BEAR (White)

WILL ROGERS (Scarlet Red)

PURPLE PRINCE

ORIOLE (Orange)

Pkt. 10c—Oz. \$1.40—Postpaid

MIXED: Pkt. 10—Oz. \$1.30—Postpaid

ZINNIA — LILLIPUT TOM THUMB (6 inches)—Compact, covered with well formed flowers of the Lilliput Type. Complete range of color in our mixture. Excellent for pot plant and border use. This is the dwarf Zinnia everyone wants for a hardy, free flowering, drouth resistant border.

Pkt. 10c—Oz. \$2.00—Postpaid.



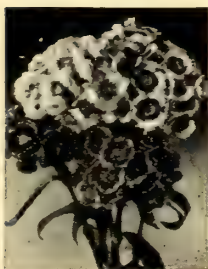
Fantasy Zinnia—No picture can do justice to the charm of this easily raised variety.



California Poppy



Texas Blue Bonnet



Sweet William
Annual Single Mixed



Tithonia Speciosa



Vinca Rosea



Verbena

BULBS—FOR SPRING PLANTING

Bulb Plantings Produce Flowers for Years!



Amaryllis

AMARYLLIS

Large, showy blooms that are a delight to the flower lover. Their blooms often measure from 5 to 6 inches in diameter, and the vigorous flower stems of the hybrids are set with four to six gigantic perfect blooms in a wide range of beautiful colors. They are very hardy and you are sure of blooms from each bulb. Plant bulbs so top is slightly above the ground.

HYBRIDS—A variety of colors, often striped, and splashed in an amazing riot of color.

Each 40c—Dozen \$4.50—Postpaid.

JOHNSONII — Deep velvety red, with white stripes. Very scarce this year.

Each 45c—Dozen \$5.00—Postpaid.

FANCY-LEAVED CALADIUMS

For gorgeous foliage, the fancy-leaved caladiums are tops. No other summer foliage plant equals them in showiness. Ideal for sun parlors during the winter, being unusually easily grown pot plants. Good for out-door planting in moist places and semi-shaded spots. Combine very well with ferns.

CANDIDUM—A preferred Easter variety. Leaf snow white with green veins and network; narrow green border. You should have several of these.

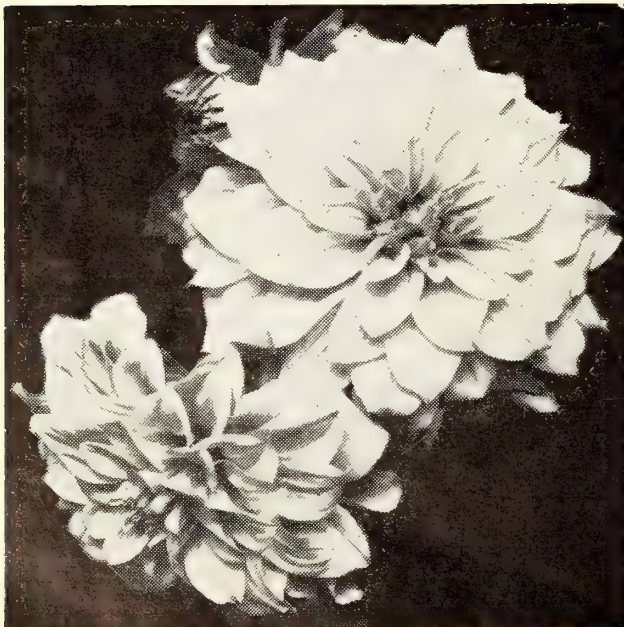
LORD DERBY—A transparent rose leaf, with dark green ribs and narrow green edge. Very lovely.

SOROCABA—Transparent silvery pink, suffused white, with green ribs and veins. A startling plant.

MRS. W. B. HALDEMAN—A medium-sized leaf of bright pink with narrow green edge. Deservedly popular.



Caladiums—Ideal for Backgrounds



Dahlias



Canna

FANCY LEAVED CALADIUMS—(Cont.)
TRIOMPHE DE L'EXPOSITION—Old favorite with roundish leaf of bright red; dark green edge.

Each 45c—Dozen \$4.50—Postpaid.

CALADIUM ESCULENTUM

A very hardy foliage plant, especially well adapted to large spaces, although useable almost anywhere. They serve as a border for high growing cannas, particularly when edged with ageratum or some lower growing annual. Ideal for hiding unsightly spots. Also known as Elephant Ears.

LARGE BULBS—

Each 50c—Dozen \$5.50—Postpaid.

JUMBO BULBS—

Each 80c—Dozen \$8.90—Postpaid.

LARGE FLOWERING CANNAS

Cannas bloom from early summer until frost in all sections, and there are varieties for almost every need. In making your selection, it is well to consider both the color of foliage and bloom, and the height of the plant. Unsurpassed for mass effects. Remarkably drouth resistant. A little attention in watering, plus fertilization, repays not only with beautiful flowers, but with unusually prolific root multiplication.

GIANT RED—(6 ft.) Bright green foliage with brilliant red flowers. Fine for backgrounds, or where showy flowers are desired.

THE PRESIDENT — (4 ft.) Brilliant, fiery intense scarlet. Rich green foliage. Flowers are of immense size and produced on strong, erect stalks, well above the heavy foliage. Spectacular.

CITY OF PORTLAND—(3 ft.) Produces a flower very similar to The President, but a lovely rose pink. Foliage bright green. Greatly admired for the brilliance of the bloom.

EUREKA—(3 ft.) The canna for night brilliance. A lovely, pure white. Where spot-lights are used in the garden, these cannas are exceptionally lovely.

DWARF YELLOW—(2½ ft.) The popular dwarf yellow canna. Often used in round beds with the larger and more brilliant colors used in the center.

**Each 20c—Dozen \$2.00—100 \$13.50
Postpaid**

GARDEN BULBS IN COLOR

This book by the well known horticultural writers, McFarland, Hatton and Foley, is the most exciting book ever published about bulbs. There are 275 color plates illustrating a great variety of flowers grown from bulbs, corms and roots. A valuable aid to arrangement of beds and landscaping. 296 pages; 6¼ by 9¼ inches.

Postpaid—\$3.50

BULBS—FOR SPRING PLANTING

Make a Permanent Investment in Beauty!

DAHLIAS — Still on the scarce side!

We recommend placing your order early, even though we are assured of a few more than we have had the past few years.

The popularity of these flowers grows annually. Plants grow from 3 to 4 ft. tall—and we have seen them in rich soils, well watered, 7 ft. tall, with enormous blooms. They provide beautiful cut flowers. Roots should be taken up at first danger of frost and kept stored in a warm, dry place during the winter. When planting in the spring, a sunny location is desirable, with plenty of space and air. Dig soil deeply; drain well; use only Vigoro, or well rotted, sterilized fertilizer. Plants should be supported, by tying to stakes, after attaining some growth.

DECORATIVE DAHLIAS

OMAR KHAYYAM — A large red and orange dahlia of striking beauty.

STARLIGHT—A new large bronze yellow—a giant you will want.

SAGAMORE—Apricot Buff, large and very hardy. Very much like the Bashful Giant that was popular for so long.

Each 35c—Dozen \$3.75—Postpaid.

AIDA—Lovely dark maroon dahlia. Unusual.

DARLENE—Soft shell pink, bloom carried high above foliage on long wiry stem.



Tuberose

DOAZON—or Big Gus—a Giant Orange Scarlet of great beauty.

JEAN KERR—Lovely show dahlia. Beautiful clear white. Flowers uniform and perfect, produced on long stems well above foliage.

YELLOW COLOSSE — An excellent glowing yellow.

MRS. I. DE VER WARDNER—Soft orchid, and a dahlia of great merit. Strong growing, very abundant bloomer, lending itself to exhibition or garden uses.

PRIDE OF CALIFORNIA — Mammoth rich "American Beauty" red. Tall and vigorous, flowering continuously from early summer until fall.

ROSA NELL—A very lovely rose pink, with good strong stems.

Ea. 25c—Doz. \$2.50—Postpaid.

GLADIOLUS

Acknowledged Queen of the Garden

These lovely flowers thrive in almost any good soil except stiff clay. They require full sunlight and are liable to injury if too rich fertilizer is used. Plant bulbs 6 to 9 inches apart, the large ones 5 inches deep and the small ones 3 inches deep. Plant at intervals of 2 weeks during the spring and early summer. In this way you will have a succession of blooms. Use water freely during the active growing season, to insure fine blossoms. Cultivate regularly.

OUTSTANDING VARIETIES

CARILLION—Exquisite new watermelon pink with creamy throat.

KING LEAR—Huge ruffled purple.

PICARDY—Salmon peach pink—the No. 1 pink glad.

REGENT—Startling, intense scarlet of great beauty.

SNOW PRINCESS—An early pure white that you'll want in your garden.

½ Dozen 75c—Dozen \$1.40—100 \$9.50 Postpaid.

BEACON — Salmon Scarlet with creamy throat. Tall spike.

BIT O'HEAVEN—Tall rich orange with yellow throat.

BELLA DONNA—Lovely light violet—a new one you'll like.

CHARLES DICKENS—A very tall, red purple. The kind florists want.

DEBONAIR — Dainty light pink with creamy throat. Large strong spikes.

DR. BENNETT—Bright scarlet flowers with faint white markings in throat. Very popular.

PELEGRINA — A deep Blue-Violet with large flowers and tall spikes.

YELLOW EMPEROR — Clear deep yellow. We think it the best of the yellows.

ROMAN GOLD—An extra early golden orange of great beauty.

½ Doz. 65c—Doz. \$1.15—100 \$8.50—Postpaid.

QUEEN'S WREATH

(Mexican Love Vine)—exceptionally fine climber with sprays of deep rose pink flowers, blooming all summer. Plant when the ground is warm as bulbs are almost certain to rot in cold ground. Vine dies in winter and comes again the next year, provided roots are protected over the winter. Plant on south side of building.

Each 40c—Doz. \$3.50 Postpaid.

TUBEROSE

Well known for its heavy fragrance. Single variety is native to Texas and multiplies very rapidly. Double type not so hardy, but well repays its growing because of the longer period over which it blooms.

Singles—½ Doz. 85c—Doz. \$1.50—100 \$9.95—Postpaid.

Doubles—¼ Doz. \$1.00—Doz. \$1.85—100 \$12.95—Postpaid.



Gladiolus



Fancy-Leaved Caladium

FALL PLANTING BULBS

Available August and September



Spring Flowering Crocus

Since it is our custom to issue one catalog annually around January 1, we decided this year to describe the bulbs which will become available in August and September of this year for Fall planting. We will not quote prices but ask that if you are interested you write us around August

ANEMONES (Windflowers)

We used to think we could not raise anemones in Texas, but recent experience has proved this a mistake. For long blooming try to select a spot that is not too hot and provide consistent moisture. Plant growth is neat and compact with beautifully cut foliage and brilliantly colored blossoms.

ST BRIGID—A famous Irish Strain of semi-double Anemones in many charming colors.

MONARCH DE CAEN—A splendid large-flowered strain of single anemones with an exceptionally wide range of showy colors.

CROCUS

Probably the earliest of the spring blooming bulbs. Delightful in beds and often times planted around the lawn for early flowering.

YELLOW MAMMOTH—A beautiful golden yellow.

PURPUREA GRANDIFLORA — A lovely rich purple.

KING OF THE WHITES—Pure white.

KING OF THE BLUES—Deep blue.

SIR WALTER SCOTT—Purple and white.

DUTCH HYACINTH

Imported from Holland. These bulbs arrive in late September and early October. They are ideal for beds, pots and borders.

BISMARCK—Clear light porcelain blue.

GERTRUDE—Early rosy pink with compact spikes. A favorite.

LA VICTOIRE—Bright deep carmen red; medium early.

L'INNOCENCE—Pure white. Splendid for early forcing.

KING OF THE BLUES—Indigo blue, deep and glossy.

PINK PEARL—A very early rose pink, large and handsome.

YELLOW HAMMER—A soft yellow with large full spikes; early.

DUTCH IRIS

This American grown bulb has earned its wide popularity. Florists use it extensively in corsages. No garden is complete without a supply of these early blooming Dutch Iris. **IMPERATOR**—Standards are a bright navy blue, merging to purple at center; Falls are azure blue with a golden blotch.

WHITE EXCELSIOR—Standards, pure white; Falls cream white with an orange blotch.

WEDGEWOOD—Standards, blue; Falls, lighter blue with golden blotch.

YELLOW QUEEN—Standards, soft deep yellow; Falls, same shade with golden blotch.

1, at which time our price list will become available.

With the return to normal conditions, imported bulbs are again available and you will want to replenish your foreign bulb beds with the fine varieties we are offering.

LILIES

There are many varieties of lilies well adapted to Texas conditions. As a matter of fact one can almost have lilies the year around. All of the varieties are hardy and produce beautiful blooms.

AMARYLLIS

Good for either spring or fall planting. (See illustration under Spring Planting Bulbs.)

LARGE HYBRID—A variety of colors often striped and splashed in an amazing riot of colors.

JOHNSONII — Deep velvety red, with white stripes.

CALLA LILY

Loved for both its beautiful flower and attractive leaves.

AETHIOPICA—The well-known white. Green foliage.

ELLIOTTIANA — A golden yellow with bright green foliage, spotted white.

ARUM PICTUM—Known as the "Black Calla". They fade to a deep maroon.

REHMANII SUPERBA — A large, light pink flower with strong stems. Much wanted.

MADONNA LILY (Also known as Candidum)

Available, and should be planted in August. Lovely sweet-scented, snow white trumpet with golden anthers. This is one of the most popular of the white lilies.

SPIDER LILY

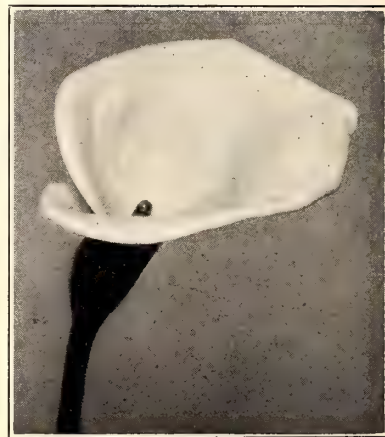
This variety becomes available in late June, and should be planted around that time. It produces its flower, a very dainty bloom without foliage, after the foliage has died out.



Dutch Hyacinths



Dutch Iris



Calla Lily



FALL PLANTING BULBS

An Investment in Spring Beauty

LARGE TRUMPET DAFFODILS

We have chosen those daffodils which have proved most practical for Texas use and we know the varieties will please you. **KING ALFRED**—Acknowledged to be the finest of the Large Trumpet Daffodils—Golden Yellow.

SPRING GLORY—Large yellow trumpet with white perianth.

MRS. T. H. KRELAGE—Large white trumpet with a white perianth.

MEDIUM TRUMPET DAFFODILS (*Incomparabilis*)

JOHN EVELYN—An international favorite. A flat lemon yellow cup, fluted to the base, with a perianth 4 to 5 inches across in pure white. Very lovely.

POLYANTHUS NARCISSI

In addition to the Paperwhite, Grand Soleil D'Or and Chinese Sacred Lily, we offer these for outside use only.

CHEERFULNESS—A lovely double white with a creamy center. Fragrant and very popular.

KLONDYKE—A deep golden hybrid that you really ought to try.

DOUBLE NARCISSI

THE PEARL—Gleaming white perianth with sulphur yellow coronal segments. A beauty.

TWINK—Creamy white perianth with alternating soft primrose yellow and clear orange coronal segments. Flashy, and a lovely flower.

PEONIES

These gorgeous flowers are being grown quite successfully in Texas. It is not possible to list the varieties that will be available but if you are interested in them write us in the fall and the varieties will be shown on our list.

RANUNCULUS

Very beautiful double and semi-double buttercup-like flowers which must be seen to be appreciated. They come in an amazing variety of bright colors and shades. Introduced into this area rather recently, their fine qualities have created a demand that is difficult to fill. We furnish them in mixed colors.

HOLLAND GROWN TULIPS

The Darwins do especially well in this area and you will like these selections.

BARTIGON—Fiery red. Very fine for forcing.

CITY OF HAARLEM—Deep scarlet red with blue-black base tinged with orange.

CLARA BUTT—Salmon rose. Perfect shape, very popular with florists.

FARNCOMBE SANDERS—Very large and a fine red. One of the best of the Darwins.

GIANT PURPLE—Dark violet and an enormous flower, strong stem.

KING GEORGE V.—Cherry rose, very fine.

LA TULIPE NOIRE—So-called "Black Tulip". Very dark and nearest of all to black.

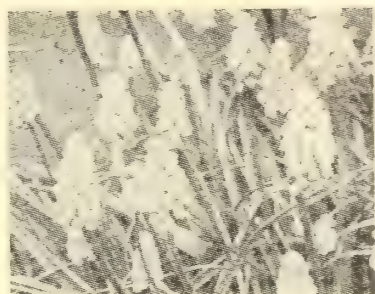
PRIDE OF HAARLEM—Brilliant rosy carmine tinged with blue.

PRINCESS ELIZABETH—A clear deep pink changing to rose-pink, silvery base.

REV. EWBANK—Heliotrope lilac. Very lovely.

YELLOW GIANT—A large golden yellow.

ZWANENBURG—A pure white Darwin. Simple lovely.



Muscari—Grape Hyacinth



Paperwhite Narcissus

JONQUILS

Especially well adapted for Texas growing, multiply rapidly.

SMALL SWEET SCENTED—Soft yellow with small golden cups.

LARGE FLOWERING—A large flowering variety of golden yellow with larger cups.

MUSCARI (Grape Hyacinth)

Delicate flowers, bunched grape-like on spires that taper to a point. Splendid for borders and rockeries.

HEAVENLY BLUE—Showy dark blue.

NARCISSI

POLYANTHUS—For forcing in water or rocks, for potting, or for outdoor use. These varieties are of the cluster type which are so very hardy.

PAPERWHITES—Pure white.

GRAND SOLEIL D'OR—A lovely golden yellow.

CHINESE SACRED LILY—White with an orange cup.



Darwin Tulips



Jonquils

**Prices
Available
IN AUGUST
Write for
List**



Flower Planting Guide

FOR MAGNOLIA FLOWER SEEDS



GETTING READY

Soil—Most plants like rich, sandy loam, but other types of soil will also produce very satisfactory flowers. However, heavy soils need applications of fibrous materials and must be thoroughly broken and cultivated. Peat Moss is especially good for heavy soils. Sandy soils usually need fertilizers.

Preparation—One of the most important factors in gardening. Work soil deeply and make the top three or four inches as fine and loose as possible. If soil needs fertilizers, and most soils do, we recommend **Vigoro**, a perfectly balanced chemical fertilizer, easy to apply, clean and practical. Directions for its use come with each package.

CAREFUL PLANTING

Planting—How you plant is very important or the result may be weak plants which soon die, or fail to produce as desired. Many small seeds can have only the smallest amount of soil above them; larger varieties may be planted one or more inches below the soil. Be sure, also, to plant when heat and moisture conditions are correct. A study of the seed is necessary to determine that. Moisture should be within your control—especially for flowers. To retain moisture after planting, cover the seed immediately with fine, freshly prepared earth pressed down firmly and smoothly.

AFTER CARE

Cultivation—Stir the surface soil after flowers are up and growing, since it encourages root development, allows air to enter and by forming a mulch preserves moisture and kills weeds. Cultivation may be deep at first, but as plants grow, it should be shallower, or it might injure the root system.

CULTURE—Our flower seeds are put up in lithographed packets, with full cultural directions on the back of each packet. Study these instructions carefully for best results and more beautiful flowers.

Seed	Type of Plant	Sun or Shade	Where to Plant	When to Plant	Average Height	Special Use
Ageratum	Hardy Annual	Sun	Borders, Beds	Spring	12 inches	Edging
Alyssum	Hardy Annual	Sun	Borders, Basket, Boxes	Spring	6 inches	Edging, Rock Garden, Fragrance
Amaranthus	Hardy Annual	Sun	Beds, Backgrounds	Spring	3 feet	Foliage plant
Asters	Hardy Annual	Either	Beds	Spring	20 inches	Cut Flowers
Bachelor Button	Hardy Annual	Either	Mass Beds	Fall, Spring	2½ feet	Cut Flowers, Fragrance
Balsam	Hardy Annual	Sun	Beds	Spring	18 inches	Mass Beds
Blue Lace Flower	Hardy Annual	Shade	Mass Beds	Spring	2 feet	Cut Flowers
Calendula	Hardy Annual	Sun	Beds	Fall, Spring	18 inches	Cut Flowers
Calliopsis	Hardy Annual	Sun	Background	Spring	3 feet	Cut Flowers
Candytuft	Hardy Annual	Sun	Borders, Beds	Fall, Spring	1 foot	Cut Flowers, Fragrance
Canterbury Bells	Hardy Biennial	Semi-Shade	Beds	Fall	2 feet	Mass Beds
Cardinal Climber	Hardy Annual	Either	Beds	Spring	Vine	Vine
Carnation	Half-Hardy Annual	Sun	Background	Fall, Spring	18 inches	Cut Flowers, Fragrance
Castor Beans	Hardy Annual	Sun	Beds	Spring	4 feet	Foliage Plant
Chinese Woolflower	Hardy Annual	Sun	Beds	Spring	2 feet	Mass Beds
Chrysanthemum	Hardy Annual	Sun	Beds	Fall, Spring	2 feet	Cut Flowers
Clarkia	Hardy Annual	Semi-Shade	Beds	Spring	2 feet	Cut Flowers
Cockscomb	Hardy Annual	Sun	Beds, Borders, Backgrounds	Spring	1 to 2½ feet	Foliage plant
Coleus	Tender Perennial	Semi-Shade	Border, Basket, Boxes	Spring	12 inches	Foliage plant
Columbine	Hardy Perennial	Semi-Shade	Beds	Fall	2 feet	Early Flowers
Coreopsis	Hardy Perennial	Sun	Background, Borders	Fall, Spring	2½ feet	Cut Flowers
Corn Flower	Hardy Annual	Either	Mass Beds	Fall, Spring	3 feet	Cut Flowers, Fragrance
Cosmos	Hardy Annual	Sun	Background	Spring	4 feet	Cut Flowers
Cynoglossum	Hardy Annual	Sun	Beds, Borders	Spring	18 inches	Mass Bed, Cut Flowers
Cypress	Hardy Annual	Either	Beds	Spring	Vine	Vine
Dahlia	Perennial	Either	Beds, Backgrounds	Fall, Spring	2-3 feet	Cut Flowers
Daisy, Shasta	Hardy Perennial	Either	Borders, Beds	Fall, Spring	3 feet	Cut Flowers
Daisy, African and Painted	Hardy Annual	Either	Beds, Borders	Spring	15-20 inches	Cut Flowers
Delphinium	Hardy Perennial	Either	Beds, Backgrounds	Fall, Spring	4 feet	Cut Flowers
Eschscholtzia (See Poppy)						
Forget-Me-Not	Half-Hardy-Perennial	Either	Borders, Beds	Fall, Spring	8 inches	Border Plant
Four O'clock	Hardy Annual	Sun	Beds, Borders	Spring	2 feet	Foliage plant
Geranium	Tender Perennial	Sun	Boxes, Baskets	Spring	2 feet	Cut Flowers
Globe Amaranth	Hardy Annual	Sun	Borders, Beds	Spring	18 inches	Cut Flowers, Dried Flowers
Godetia	Hardy Annual	Semi-Shade	Beds	Spring	2½ feet	Cut Flowers
Gourds	Hardy Annual	Sun	Beds	Spring	Vine	Vine
Gypsophila	Hardy Annual	Sun	Beds	Spring	2 feet	Cut Flowers, Dried Flowers
Helianthus (Sun Flower)	Hardy Annual	Sun	Backgrounds	Spring	4 feet	Background, Foliage
Hibiscus	Hardy Perennial	Sun	Background	Spring	4 feet	Background and Foliage
Hollyhock	Hardy Perennial	Either	Background	Fall, Spring	5 feet	Background and Foliage
Jack Beans	Hardy Annual	Either	Beds	Spring	Vine	Vine
Kudzu Vine	Hardy Annual	Either	Beds	Spring	Vine	Vine
Lantana	Tender Perennial	Sun	Beds	Spring	2 feet	Mass Beds
Larkspur	Hardy Annual	Sun	Beds, Backgrounds	Fall, Spring	3-3½ feet	Cut Flowers
Marigold	Hardy Annual	Sun	Borders, Beds	Spring	2-3 feet	Cut Flowers
Mexican Fire Bush	Hardy Annual	Sun	Background	Spring	2½ feet	Hedge
Mignonette	Hardy Annual	Either	Beds, Borders	Spring	12 inches	Cut Flowers, Fragrance
Moonflower	Hardy Annual	Sun	Beds	Spring	Vine	Vine
Morning Glory	Hardy Annual	Sun	Beds	Spring	Vine	Vine
Nasturtium	Hardy Annual	Sun	Edging, Boxes, Baskets	Spring	10 to 15 inches	Cut Flowers, Fragrance
Nierembergia	Half-Hardy-Annual	Either	Beds, Borders	Spring, Indoor	6 inches	Pots, Boxes, Beds, Borders
Pansy	Biennial	Semi-Shade	Borders, Boxes, Boxes	Fall, Spring	8 inches	Cut Flowers, Edging
Periwinkle	Hardy Annual	Sun	Borders, Mass Beds	Spring	2 feet	Foliage and Bedding
Petunia	Hardy Annual	Either	Borders, Boxes, Beds	Spring	1-1½ feet	Cut Flowers, Fragrance
Phlox	Hardy Annual	Sun	Borders, Edging, Beds	Spring	12 inches	Cut Flowers, Mass Beds
Pinks	Hardy Annual	Sun	Borders, Edging, Beds	Fall, Spring	12 inches	Cut Flowers
Poppy	Hardy Annual	Sun	Beds, Backgrounds	Fall, Spring	1 to 3 feet	Early Flowers
Portulaca	Hardy Annual	Sun	Edging, Mass Beds	Spring	6 inches	Borders and Rock Gardens
Queen Anne's Lace Flower	Hardy Annual	Sun	Borders, Beds	Spring	2 feet	Cut Flowers
Queen's Wreath (Seed or root)						
Salpiglossis	Hardy Annual	Sun	Beds, Borders	Spring	Vine	Cut Flowers
Salvia	Tender perennial	Sun	Beds, Borders	Spring	2½ feet	Cut Flowers
Scabiosa	Hardy Annual	Sun	Beds	Spring	2 feet	Cut Flowers
Scarlet Runner Beans	Hardy Annual	Sun	Beds	Spring	2½-3 feet	Cut Flowers, Fragrance
Snagdragon	Hardy Annual	Either	Beds, Borders	Fall, Spring	Vine	Vine, Fragrance
Statice	Hardy Annual	Sun	Beds	Spring	2 feet	Cut Flowers
Stocks	Hardy Annual	Either	Beds, Edging, Pots	Fall, Spring	2 feet	Cut Flowers
Sweet Pea	Annual or Perennial	Sun	Beds	Fall, Spring	12 to 26 inches	Cut Flowers, Fragrance
Sweet William	Biennial	Semi-Shade	Borders, Beds	Fall, Spring	Vine	Cut Flowers, Fragrance
Texas Blue Bonnet	Hardy Annual	Sun	Borders, Beds	Fall, Spring	18 inches	Cut Flowers, Fragrance
Tithonia	Hardy Annual	Either	Background	Spring	15 inches	Cut Flowers
Verbena	Hardy Annual	Sun	Beds, Borders	Spring	7 feet	Cut Flowers
Vinca	Hardy Annual	Sun	Beds, Borders	Spring	8 inches	Cut Flowers, Edging
Zinnia	Hardy Annual	Sun	Beds, Borders	Spring	2 feet	Foliage, Cut Flowers
					1-3 feet	Cut Flowers

Culture Instructions
on Each Packet —

MAGNOLIA SEEDS ARE GOOD SEEDS

Plant Carefully,
Feed and Water!

Nature's Carpet

GRASS



MAKING A NEW LAWN

Here are the six steps to successful new lawn making: 1. Spade to a depth of at least 6 inches. 2. Pulverize the soil thoroughly, working in humus material, such as peat moss, as required to condition the soil. 3. Distribute evenly 4 lbs. of Vigoro per 100 sq. ft. of area and work it into the top inch or two of the seed bed. 4. Seed with Magnolia Good Grass Seed, weed free and high in germination. 5. Roll the lawn to compact the soil and assure good contact between soil and seed. This step is essential. A tamper may be used if a roller is not available. 6. Water with a fine spray daily until germination of the seed is complete, and the young seedlings well started. Then water as needed, but always water thoroughly. Light sprinkling encourages shallow roots.

BERMUDA GRASS

Bermuda Grass is, undoubtedly, the best lawn grass for the South (except in shaded areas, where it does not do well). Bermuda succeeds on practically all kinds of soils and, once established, it will not be killed out by hot, dry weather.

Bermuda Grass, Magnolia Extra Fancy Unhulled—Germinates in from 21 to 30 days. Sow February to July, 7 to 10 lbs. to 1000 sq. ft. (20'x50') of lawn area. Mixing 4 or 5 parts of dry sand with one part Bermuda seed, by bulk, before sowing, makes broadcasting easier and more uniform. See "Making A New Lawn", above, for future directions.—**Lb. 75c—2 Lbs. \$1.45—10 Lbs. \$6.25—Postpaid.**

Bermuda Grass, Magnolia Hulled—Germinates in from 7 to 10 days. Sow April to August, 4 to 5 lbs. to 1000 sq. ft. of lawn area. Other planting directions same as for Unhulled Bermuda. To establish a lawn in minimum of time, plant Magnolia Hulled Bermuda Grass Seed, following New Lawn directions, above.—**Lb. \$1.00—2 Lbs. \$1.95—10 Lbs. \$8.75—Postpaid.**

TREAT GRASS SEEDS WITH

ROOTONE

FOR QUICKER GERMINATION,
BETTER ROOTING

Kentucky Blue Grass—Germinates in 21 to 30 days. A desirable lawn grass for some sections of the South and parts of Texas, however it does not stand up well under the hot sun and dry conditions of much of Texas. Kentucky Blue Grass does do well in, and is recommended for, shaded areas where water for sprinkling is available. Sow in late winter or early spring, 1 lb. to 200 sq. ft.—**Lb. \$1.40—2 Lbs. \$2.75—10 Lbs. \$12.75—Postpaid.**

RECOMMENDED GRASS MIXTURES

Magnolia Shady Lawn Mixture—A mixture of grasses that thrive in shade, under trees or close to walls. Remember that trees use a lot of plant food. Your lawn under trees, therefore, must be given much more plant food and moisture. 1 lb. to 200 sq. ft.—**Lb. \$1.60—2 Lbs. \$3.15—10 Lbs. \$14.75—Postpaid.**

Magnolia Winter Lawn Mixture—Sow during September or October at the rate of one pound to two hundred square feet. Before sowing, mow the lawn closely and if the Bermuda is very thick, give it a top dressing of one inch loamy soil and Vigoro. Then rake the lawn and water thoroughly. If allowed to seed in the spring this grass will reseed itself, but if kept cut it must be replanted.—**Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$5.75—Postpaid.**

Red Top Grass—Makes a green winter lawn. Well adapted for grass mixtures, or may be planted in the Bermuda lawn in the fall.—**Lb. 45c—2 Lbs. 95c—10 Lbs. \$3.55—Postpaid.**

REVITALIZING AN ESTABLISHED LAWN

Start by feeding your lawn a balanced, complete meal of 4 lbs. of Vigoro per 100 sq. ft. of lawn area. Apply only when the grass is dry. Vigoro is most effectively applied with a Vigoro Spreader, but may be applied with a kitchen colander or broadcast by hand. 2. Next, soak the lawn thoroughly. 3. A day or two after feeding go over the entire lawn, loosening up the soil on thin areas with an iron rake. 4. Next, reseed these areas with Magnolia Good Grass Seeds. 5. Roll or tamp the newly seeded areas to make certain the seed is in firm contact with the soil. A little fine top-soil sifted, especially over the reseeded areas, is helpful. 6. Water daily until germination of the new seed is complete, and the young seedlings well started.

Winter Rye Grass—Winter lawns were a luxury in the days when making them required digging up the established lawn. Now, you can enjoy a beautiful, green lawn all winter, without disturbing your permanent grass, by following these simple rules: 1. In the fall, cut the permanent grass closely, remove clippings. 2. Apply Vigoro evenly, 4 lbs. per 100 sq. ft., and work down by ruffling the grass with the back of your iron rake. 3. Sow evenly with Winter Rye Grass, 1 lb. to 100 sq. ft., rake in lightly and soak down thoroughly. Keep the seed and soil moist until growth is well started. The Winter Rye Grass will die out when it turns warm in the spring, and the permanent grass will come out as usual. Feed the permanent grass with Vigoro, 4 lbs. to 100 sq. ft.—**Winter Rye Grass—Lb. 30c—2 Lbs. 55c—10 Lbs. \$2.00—Postpaid.**

St. Augustine Grass—Grows in the shade. Seed not available. Must be propagated from sod. One square yard of sod cut in 3 inch squares and distributed evenly over 10 square yards of lawn area, will cover quickly.

St. Augustine Sod—\$2.50 per sq. yd., F.O. B. Dallas; weight approx. 85 lbs.

White Dutch Clover—Mixed with lawn grasses, White Dutch Clover shows up well in the cooler months. It also does well in shaded areas. Sow in fall or early spring, 1 lb. to 200 sq. ft. Inoculate seeds with Nitragin B, clover will then add to the lawn sod fertility.—**Lb. \$1.30—2 Lbs. \$2.55—10 Lbs. \$11.75—Postpaid.**

ACME SPRAYS AND DUSTS

ACME ROTENONE GARDEN GUARD

An ideal insecticide for the home garden. Dust or spray. The killing ingredient is Rotenone—non-injurious to human and warm blooded animals. Acts both as a contact and stomach poison against a wide range of insects.

1 lb. sifter carton\$.50
1 lb. pump gun70
4 lbs.\$1.10 50 lbs.\$12.00

ACME PARIS GREEN

Strongest and quickest-acting of all arsenical insecticides. Used on hardy foliage such as potatoes, cotton, tobacco, and in insect baits where extreme measures are necessary.

¼ lb.\$.20 5 lbs.\$ 2.45
1 lb.55 14 lbs. 5.28

ACME RED RIVER POTATO MIX

Dust or spray. A scientific formula combining a patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker—drives off flea beetle and leaf hopper—prevents blight—stimulates foliage.

1 lb. bag ...\$.32 4 lb. bag ...\$.89

ACME RED RIVER POTATO MIX WITH DDT

For Leaf Hopper, Potato Bug and Psyllid control.

1 lb. bag ...\$.50 4 lb. bag ...\$1.55

ACME CALCIUM ARSENATE

Of great economy and efficiency for certain chewing insects. The accepted dust for boll weevil poisoning on cotton. Also recommended on hardy foliage or potatoes and certain vegetables.

1 lb.\$.25 4 lb.\$.50

ROTENONE GARDEN SPRAY (NNOR)

Containing Rotenone—kills most common garden bugs of both sucking and leaf eating types. You've got to wet them to get them. NNOR penetrates the waxy or hairy covering, brings the tremendous power of Rotenone into action.

1 oz.\$.35 16 oz.\$ 2.15
6 oz. 1.00 Gal 13.50

ACME WEED KILLER

See page 39 for this effective
Weed Killer

ACME WETTABLE DUSTING SULPHUR

Is an improved dusting sulphur for home use which can also be used as a liquid spray. Controls red spiders on evergreen, mildew, leaf spots and rust on rose bushes, chrysanthemums, snapdragons, carnation, and certain other foliage. 98 per cent passes through a 325 mesh screen.

2 lb. Sifter Can\$.42

ACME SOWBUG AND CUTWORM KILLER

A poison bait formulated with Paris Green and selected attractant foods for the control of sowbugs (pillbugs) and cut worms which seek their food on the surface of the soil.

12 oz. Spout Can\$.35
1½ lb. Can65



ACME EMO-NIK

A valuable spray for the control of scale, red spider, mealy bugs, white flies, rust mites, aphids, and many other common insects. A complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Practically odorless, when sprayed.

4½ oz.\$.37 Quart\$1.00
Pint70 Gallon 2.75

ACME VEGETABLE AND FLOWER GARDEN DUST

A dust or spray containing nicotine for many common varieties of sucking insects, and arsenicals for leaf eating insects for the home vegetable and flower garden.

1 lb. carton \$.40 4 lb. bags ..\$1.25

ACME TOMATO DUST

Is especially prepared to control blight and worms preying on tomatoes. While specifically designed for tomatoes, it is also equally effective in control of leaf chewing insects and blight on many other vegetables such as potatoes, cucumbers, beans and cabbage, also many flowers as roses, azalea, evergreens, asters and hollyhocks.

1 lb. Sifter Carton\$.45
1 lb. Pump Gun65
4 lbs. 90



ACME GARDEN DURADUST WITH DDT

A ready to use fungicide for control of certain garden insects and plant diseases. Very effective against Leaf Hopper, Corn Ear Worm, and Rose Chafer. Both contact and stomach poison.

1 lb. Sifter Top\$.48
4 lb. Bag 1.00

ACME DURADUST NO. 50

The all around DDT product for ranch and farm. Use for cattle — Barns and Stables—Crops—Spray or Dust.

For Spraying Cattle—4 pounds in 100 gallons water gives .25% solution.

For Dipping Cattle—4 pounds in 250 gallons water gives .1% solution.

Barn and Stable Treatment—4 pounds in 10 gallons water on 1000 square feet.

Crop Treatment—As a dust—As a spray. Recommended for treating potato fields, certain fruit trees. Effective against many pests.

1 lb.\$.90 4 lbs.\$2.65
50 lbs.\$31.00

ACME ARSENATE OF LEAD

Is the widest used arsenical insecticide. Safe on tender foliage for the control of chewing insects on fruit trees, vegetables, tobacco and many other plants. Controls grubs in lawns.

1 lb. carton \$.40 4 lbs.\$1.00

ACME BORDEAUX MIXTURE

Prevents large losses caused by blight, rot, mildew, scab anthracnose, etc. Stimulates plant growth, increasing the harvest. Almost every kind of vegetable, fruit and shrub can be improved by Bordeaux spraying.

1 lb.\$.40 4 lbs.\$1.00

BAIT-M

For ridding premises of cutworms, sowbugs, grasshoppers, snails, slugs. Just scatter it on the ground. Not affected by the rain or sprinkling; will not sour.

1 lb.\$.35 2½ lbs.\$.75

ACME LIME SULPHUR

A standard Baume Lime and sulphur converted into a dry powder having all the effectiveness of a liquid product when dissolved in water. For dormant spraying against scale, peach blight, leaf curl, and twig borer. For summer spraying against scab, soot blotch, red spider and mite.

1 lb.\$.35 12½ lbs.\$ 1.90
5 lbs. 1.55 100 lbs. 14.00

ACME SPRAY SOAP

A fish oil effective by itself in destroying many sucking insects and lice on plants, trees, ferns, etc. Also extensively used with nicotine and other contact sprays to enhance their effectiveness.

1 lb.\$.45 7½ lbs.\$2.60

ACME KOPPER QUEEN (Mildew Spray)

Is a stainless liquid copper spray for the control of mildew, leaf spot, and black spot on rose bushes, flowers and many other kinds of foliage. Leaves no unsightly residue. A liquid spray replacing Bordeaux Mixture and Sulphur.

½ Pt.\$.35 Quart\$.95
Pint60 Gallon 2.25

SPRAYS AND DUSTS

ACME STOP

A sticky tree banding compound for use on trees, shrubs and vines to prevent insects from crawling up to destroy foliage. Simplifies the spraying problem later. A gummy, sticky oil mass retaining stickiness over a long period. Easily removed from hands and tools with kerosene soaked cloth.

6 oz.\$.35 7½ lbs.\$4.00
1 lb.65 10 lbs. 5.00

ACME KOPPER KING

The perfect spray or dust for control of tomato blight. Recommended for use wherever Bordeaux Mixture is used. Suitable for use as either dust or spray. Kopper King is a tri-basic copper sulphate—a modern development.

1 lb.\$.45 4 lb.\$1.10

ACME KOPPER SHIELD

A pruning and tree wound paint. An anti-septic treatment to prevent such diseases as European canker fungus, hard rot, and certain other fungi from penetrating the wounds while the tree is naturally overcoming the shock. Covers twice as much surface as ordinary bituminous compounds.

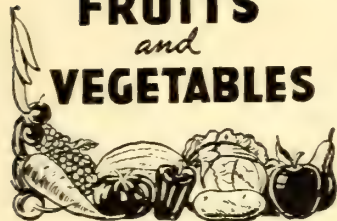
½ Pint\$.40 Quart\$1.20
Pint70 Gallon 3.25

ACME SCIENTIFIC ROSE AND FLOWER SPRAY

A "system" of spray treatment for roses and flowers of all kinds. Eliminates guess work. Each set contains three separate items—A, B, and C—each scientifically made to combat one of the three major classifications of blight and insect pest. Mix all three together with water. Use regularly. Result: complete all-round protection. Surprisingly economical.

Sizes	Amount of Spray	Prices
No. 3	12 qts.	\$.95
No. 6	24 qts.	1.50
No. 24	96 qts.	4.00
No. 48	48 gals.	6.00

Better FRUITS and VEGETABLES



Finer FLOWERS and ORNAMENTS



Cyanogas

Kills Rodent and Insect Pests.



It's the Gas that Kills 'em

One whiff kills them. Not a bait—Cyanogas is a gas powder that kills pests right in their burrows or nests, in feed rooms, corn cribs, granaries,



One Whiff Kills Them

under floors, in lumber piles, etc.

CYANOGEN ANT KILLER

It's the sure way. Kills the queen, wipes out the entire ant colony. Packed especially for treating ant nests.

4 oz. Postpaid\$.30

CYANOGEN A DUST

For use in pump dusters to pump into burrows, nests, under floors, into wood piles, stacks of feed or seed, etc. to kill all kinds of pests.

1 lb.\$.75 25 lbs.\$10.00
5 lbs. 3.00 100 lbs. 25.00

CYANOGEN G-FUMIGANT

The positive fumigant for greenhouses, mushroom houses, warehouses, flour mills, grain and seeds, nursery stock, bulbs, for soil sterilization; and for killing bed bugs, cockroaches and other pests in tourists camps, bunk houses, etc.

5 lbs.\$3.00 25 lbs.\$10.00
100 lbs.\$25.00

CYANOGEN FOOT PUMP DUSTER

Especially designed for use with Cyanogas A Dust. The powerful piston action forces the Cyanogas deep into otherwise inaccessible parts of burrows. All non-corrosive metals.

Foot Pump Duster\$7.00

Paradichlorobenzene

Kills Peach Tree Borers

Clean gum away from tree trunk and clean ground around base of tree. Encircle the tree two inches away from the trunk with one ounce of Paradichlorobenzene, and cover with fine earth. Pack down firmly. Application should be made in warm, dry soil in the late fall. Prices postpaid.

1 lb.\$.50 5 lbs.\$2.15
10 lbs.\$3.75

Chigger Chaser FOR DUSTING ON THE BODY

Keep a

can in your car



Keep a

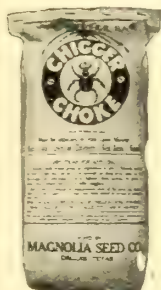
can in the bathroom

Enables you to keep chiggers off your person regardless of how many chiggers may be in your territory. It is no longer necessary or pardonable for people to scratch chigger bites. CHIGGER CHASER is absolutely harmless to the most sensitive skin, yet it positively keeps chiggers off. Dust thoroughly.

Comes in sifter top cans postpaid to you!

1¼ oz.\$.25 3½ oz.\$.50

Chigger Choke



Rid your lawn of chiggers (Red Bugs) easily! There is no longer any need or excuse for enduring these pests. One application of CHIGGER CHOKE, according to the instructions on the package will free your lawns for a season. If you and your neighbors will free your lawns one year, reinfestation can be avoided many years.

The DUSTER BAG make application easy. Just attach bag to lawn mower, or attach ropes to bag and drag over the area to be dechiggered. Bag contains 7 pounds of Chigger Choke which will dust the average city yard, 50x150 feet. Shipping weight 8 lbs.

Postpaid\$1.10

Sulphur (in bulk)

	1-10	11-50	51-100	100-over
Dusting Sulphur	.05	.04½	.04	\$3.75
Wettable Sulphur	.10	.08	.07	6.25

SUNOCO SELF EMULSIFYING SPRAY

Both Dormant and Summer Spray.

Sunoco Spray is used for control of scale insects, aphids, red mite, red spider, mealy bugs and other pests in dormant season, and in summer on evergreens, euonymus, privet, roses, shrubs, deciduous fruit and shade trees. Average mix: 1 gallon Sunoco to 25 gallons of water.

Qt.\$.55 5 Gals.\$ 5.10
Gal. 1.15 25 Gals. 36.00



Snarol

and Antrol Sow Bug Control

Snarol. A metaldehyde-arsenical bait to kill snails and slugs, as well as cutworms and grasshoppers (1 pound to 200 square feet of area).

Antrol Sowbug Control, with copper Aceto-Arsenite, to kill Sowbugs and Cutworms.

Antrol Sowbug Control, 8 oz. pkg., ea.\$.25

SNAROL

1 lb. pkg. ...\$.35 6 lb. pkg. ...\$1.50
2½ lb. pkg.75 10 lb. pkg. ... 2.25
50 lb. Bag\$8.25

Graftex

A Scientific Grafting Compound and Wound Dressing. Impervious to weather and temperature; it conforms to the stretching and bending of plant growth.

½ lb. Can ..\$.50 5 lb. Can ...\$4.25

Postpaid





ORTHO

SCIENTIFIC PEST CONTROL



ASK FOR AN ORTHO SPRAY GUIDE



**KEEP
YOUR
VEGETABLE AND
FLOWER GARDENS,
SHRUBS AND TREES
INSECT AND DISEASE
FREE**

ORTHO Sowbug Killer. A specially prepared bait for use against Sowbugs and Pillbugs.

1 lb. Can **50c**

MULTI-PURPOSE BAITS

BUG-GETA Pellets. For use against principal Foraging Pests. Slugs, Snails, Cutworms, Earwigs, Grasshoppers, Strawberry Root Weevil. Baiting against these pests is easy with the new BUG-GETA Pellets Compressed Baits. 5000 baits in a 2-pound carton.

12 oz. Carton \$.35 2 lb. Carton \$.65
5 lb. Carton **1.25** 25 lb. Bag .. **4.40**

ANT-B-GONE Ant Poison. Four to eight Dispensers are enough for average home. Easy to refill. Ants feed from "Wick"—can't get inside. For Argentine and Sweets-eating ants.



Set of four 1-oz. Dispensers **60c**

Ant poison to refill dispensers:

4 oz. Bottle .. **25c** 1 Pint **60c**

APPO Cutworm Bait. A new poisoned Apple bait. Kills Cutworms, Strawberry Root Weevil; also Vegetable Weevil, Slugs, Snails.

1 lb. Carton **35c**

ORTHO Soil Fumigant. To control Cabbage and Onion Maggot, Sod Webworm.

4 oz. Bottle ... **35c** 16 oz. Bottle **\$1.00**

PLANT MAGNOLIA'S GOOD SEEDS AND BULBS

INSECTICIDES are as effective as given a chance to be. When plants, shrubs or trees are inadequately sprayed, you cannot get maximum results. There are a wide variety of sprayers and dusters available. The greatest efficiency in garden spraying is obtained from the use of continuous sprayers or compressed air sprayers. Insecticides to be fully effective must completely cover the stems and leaves of the plants and the continuous sprayers and compressed air sprayers, by the pressure that is built up, tend to emulsify the spray into a fine mist which completely covers with a film of insecticide. Without pressure the spray comes out in globules protecting the plants only where the globules fall.

Atomizers and vaporizers are excellent for household insecticides but are not adequate for plant spraying. Dusters are making that tend to break down dust insecticides into finer particles, thus making them efficient for plant dusting. Great care should be exercised in selecting your sprayers or dusters as this protects your investment in ornamentals, trees, flowers and plants by assuring maximum protecting from your insecticides.

On pages 43, 50, 51, and 52 of this catalog you will find listed all types of sprayers to help you in your selection.

TWO NEW DDT INSECTICIDES

PEST-B-GON Insect Spray. Contains 20% DDT. Kills Beetles, Worms, Thrips, Ants, Leafhoppers; also Houseflies (as screen paint), Mosquitoes, Fleas.

4 oz. Bottle .. **65c** 1 Pint **\$2.00**

PEST-B-GON Insect Dust. Contains 10% DDT. Kills many Thrips, Plant Bugs, Beetles, Worms, Leafhoppers—Fleas, Bedbugs, Roaches, Silverfish, Ants.

10 oz. Duster Package **60c**

MULTI-PURPOSE DUST

BOTANO Garden Dust. For use against many insects and diseases. One of the safest multi-purpose dusts that can be used. 10 oz. size also serves as handy garden duster. Includes Rotenone and Pyrethrum.

10 oz. Duster **59c** 2 lb. Pkg. .. **\$1.00**

CALTOX Garden Dust "525". Especially useful on Tomatoes, Potatoes, Cucumbers, Squash and Melons. Contains Cryolite, Copper and Zinc.

10 oz. Dual Purpose Package **49c**

2 lb. Package **85c**

ORTHO ROSE DUST

An all around control for insect and fungus disease on Roses. Contains Rotenone, Pyrethrum, DDT, Fermate and Sulphur.

10 oz. Duster **\$1.00**

EXTRAX Insect Spray. Contains Rotenone and Pyrethrum. Kills by contact insects such as Aphis, Beetles, Caterpillars, Thrips.

1 oz. Bottle .. **35c** 4 oz. Bottle **\$1.00**

GREENOL Liquid Fungicide. A copper fungicide used to prevent Powdery Mildew.

1 oz. Bottle .. **35c** 4 oz. Bottle .. **60c**
16 oz. **\$1.00**

VOLCK Oil Spray. Envelops, wets and smothers many sucking insects. Also spray carrier for other sprays.

4 oz. Bottle .. **25c** 1 Gal. Can .. **\$2.25**
1 Pint Bottle .. **50c** 5 Gal. Can .. **\$8.50**

MULTI-PURPOSE SPRAY

ORTHO Garden Spray Set. For use against more prevalent Garden Insects. Set contains 4 ounce bottle of Extrax Insect Spray, Greenol Liquid Fungicide and Volck Oil Spray. Makes 25 gallons Multi-Purpose Spray **\$1.85**

SCRAM Dog Repellent. A special powder used to keep dogs away from shrubs, flowers, lawns, store fronts, porches, etc. Easy to use. Does not harm animals.

8 oz. Shaker **49c**

ORTHO-PET FLEA POWDER

Flea control without harm for either Cats or Dogs. A quick acting residula powder. Need be used only once or twice a month.

1½ oz. Puffer Package **35c**

MISCELLANEOUS INSECTICIDES



Nico-Rote

Nicotine — Rotenone
— Gives the Grower
Three Methods of In-
sect Destruction: 1,
By Contact; 2, By
Fumes; 3, By Stomach
Poisoning.

Recommended for the
control, without burn-
ing or discoloring of: Aphis, (Plant
Lice), Leaf Hopper, Thrips, White
Fly, Rose Chafer, Rose Slugs, Cater-
pillar, Cut Worms, Dahlia Beetles,
Asparagus Beetles, Mexican Bean
Beetles, Cabbage Worms, Squash
Bugs, Currant Worms, Wire Worms,
Red Spider, Mites, Aaster Beetles,
Scale, Cabbage Bugs, Tomato Bugs,
Potato Bugs, Cucumber Beetles,
Mealy Bugs, Chrysanthemum Midge,
Japanese Beetle, Spruce Gall, Box-
mite, Lace-Wing Fly, and many
others. Requires no spreader.

Size	Ship. Wt.	Prices F.O.B. Dallas
6 oz.	1 lb.	\$ 1.00
Quart	2½ lbs.	4.00
Gallon	9 lbs.	12.00



TopTox

A dependable insecticide for better
results in Greenhouses and Gardens.
Contains the active toxic properties
of Rotenone and is recommended
against Aphis, Red Spider, Lace
Wing Fly, Mite, Tarnish Plant Bug,
etc.

Toptox is a complete spray non-in-
jurious to humans, birds, or animals
when used as directed. Does not in-
jure plants. Mixes with water.

1 oz. bottle ..	35c	1 pt.	\$2.25
6 oz. bottle	\$1.00	1 qt. can ..	4.00
1 gal. can	\$11.50		

Sabadilla Dust

Very effective in the control of the
squash bug and harlequin bugs on
melons, cucumbers and squash.

4 lbs.	\$1.00
25 lbs.	5.90

Nicotine Concentrate

BLACK

LEAF 40



For control of Aphis, Thrip, Leaf hopper, and many
other insects. Black Leaf 40 kills by actual contact
and also by fumes. It may be mixed with oil emul-
sions, arsenates, lime sulphur, etc. to add "gassing"
effect to the sprays. Prices F.O.B. Dallas.

1 oz.	\$.36	5 oz.	\$ 1.05
1 lb.	2.42	2 lbs.	3.92
5 lbs.	7.40	10 lbs.	12.85

Rico Lawn Spray CONCENTRATE

Kills and repels ants, fleas, and chiggers in grass or
shrubs and trees. Mix 2 tablespoonful or 1 oz. of
Lawn Spray with 1 gallon of water, contains Rote-
none. Very effective and economical to use.

8 oz.	\$1.50	16 oz.	\$2.50
Gal.	\$14.40		

Rico Blue Bug Killer CONCENTRATE

Spraying roosts, walls, ceilings, floors and crevices of
hen houses really gets the bugs and mites. May also
be used on tree trunks and branches. Easy to use—
non-irritating to man or fowl. 8 ounces makes one
gallon of spray, when mixed with water.

8 oz.	\$1.50
------------	--------

Rico Concentrate Dip or Spray

For vat dipping, for the kill and control of lice,
ticks, cattle grubs, etc. No animal losses through
poisoning; no scaldings or blistering. Easy to mix.
Easy to work with. Use 1 gallon to 500 gallons of
water for dipping; 1 gallon to 250 gallons of water for
spraying. A positively proven dip, used by owners of
the best registered herds in the country.

1 gallon	\$5.60
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Rico Flea and Tick Killer

A concentrate for killing fleas, lice and ticks on dogs.
Contains rotenone.

4 oz.	\$1.00	8 oz.	\$1.50
Gallon	\$14.40		

Tobacco Stems

Used in the garden and flower beds to repel pillbugs,
snails and certain worms. Tobacco Stems are also
used as a soil conditioner.

Tobacco Stems. Lb.	25c	Cwt.	\$15.00
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Nico-Fume

Greenhouse Fumigator

Nico-Fume Powder (14% nicotine) is
burned under pressure in the can in
which it is packed. A one pound can
will fumigate about 25,000 cu. ft. For
control of Thrips, Midge, etc.

½ lb. can ...	50c	1 lb. can	80c
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Nico-Fume Holder for 1 lb. size 85c

F.O.B. Dallas

End-O-Bug Dusting Powder

A non-poisonous powder containing
copper, lethane and cryolite. Kills
sucking and chewing insects on vege-
tables, melons and flowers. Prevents
mildew, black spot and rust.

1 lb.	50c	2½ lbs. ..	\$1.05
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Sprayzall Plant and Garden Spray

A contact spray for control of aphid,
(Plant Lice), thrips, midge, leaf-
hoppers, mealy bugs, red spider and
other insects.

1 oz.	\$.35	1 pt.	\$ 2.85
4 oz.	1.00	1 qt.	5.00
8 oz.	1.75	1 gal.	15.00

Cederene Stock Spray

An oil base spray. Has longer repel-
lancy. Positively kills all types flies,
mites, mosquitoes, lice ticks; also
eggs, nits, larvae.

Gals.	\$1.50
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Hydrated Lime

Used with Arsenate of Lead in spray-
ing peach trees to prevent grubby
fruit (Curculio). The same spray is
used against tent caterpillars and
web-worms and bag worms on trees.
As a soil conditioner, Hydrated Lime
makes the soil alkaline.

10 Lb. Bag .	25c	50 Lb. Bag .	80c
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Zinc Sulphate

Used with Arsenate of Lead and
Sulphur for spraying pear and peach
trees, to control certain fungus dis-
eases.

1-24 lb.	25 to 99 lbs.	100 lbs.
.15	.13	12.00

To produce insect and disease free
fruit, spray five times: No. 1 Dor-
mant Spray—Winter; No. 2 when
most of the blossoms have shed; No.
3 about 10 days after the blossoms
have shed; No. 4 two weeks after No.
3; No. 5 two weeks after No. 4.
Write for Spray Chart.



FOR BETTER STANDS OF COTTON,
PEANUTS, VEGETABLES

SEED DISINFECTANTS

A TREATMENT FOR EVERY MAJOR CROP

FOR BETTER YIELDS OF FIELD AND
GARDEN CROPS

PENNIES PRODUCE DOLLARS

THROUGH

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SEMESAN

For Vegetable and Flower Seeds
and Bulbs

SEMESAN may mean the difference between a thriving, productive vegetable and flower garden—or a poor one. Dusted on seeds and bulbs or used in solution with water, as a dip. **SEMESAN** reduces seed decay and seedling blight, generally increases germination, plant vigor and productiveness.

Ask for your copies of free Vegetable and Flower Pamphlets.

1/3 Oz. Packet, treats 5 to 10 lbs. of seed, 10c; 2 Oz. 40c; 12 Oz. \$1.88; 4 Lbs. \$9.10

SEMESAN JR.—For Seed Corn, both field and sweet, reduces seed rotting, checks seedling blight and certain seed borne rots of root and stalk. **Semesan Jr.** costs less than 2c per acre—yields increased 4 bushels per acre in tests. 1½ ounces treat one bushel.

1½ Oz. 15c—12 Oz. 56c—6¼ lbs. \$3.75—25 Lbs. \$12.50—100 Lbs. \$45.00

SEMESAN BEL — Dip Disinfectant for potatoes. In tests at an average cost of 21c per acre, **Semesan Bel**, by reducing seed piece decay, seed borne scab and Rhizoctonia and bacterial ring rot or wilt, increased the average yield 13.6%. One pound treats 60 to 80 bushels of seed.

2 Oz. 30c—1 Lb. \$1.65—4 Lbs. \$5.70

2% CERESAN

For Cotton, reduces seed rotting and damping off and gives more uniform stand with less seed. In 40 tests 2% **Ceresan** increased the average stand 30.8% after chopping and increased the average yield 16.4%. Cotton states report profit increases from \$5.73 to \$13.08 per acre, through use of 2% **Ceresan**. 1 pound treats 5 to 8 bushels.

1 Lb. 75c—4¼ Lbs. \$3.14—25 Lbs. \$14.50—100 Lbs. \$52.00

NEW IMPROVED CERESAN

5%—Generally controls seed borne diseases, smuts, and reduces root rots and seedling blights. Use 1 lb. to 32 bushels of Barley, Oats, Wheat, Sorghum, Flax. For Peas 1 lb. treats 16 bushels. For Cotton 1 lb. treats 12 bushels.

4 Oz. 30c—1 Lb. 80c—4 Lbs. \$2.70—8 Lbs. \$5.40—25 Lbs. \$15.00—100 Lbs. \$55.00

ARASAN

A superior and entirely new seed corn disinfectant which is highly recommended by Agricultural Experiment Stations. It is equally effective in protecting seed and increasing stands and yields of peanuts and vegetables.

Treating seeds with **Arasan** protects against seed rot and enables seed to germinate normally and produce healthy, vigorous sprouts and plants and reduces losses from damping off.

For Corn ¾ oz. **Arasan** to a bushel of seed corn. For Peanuts 2 oz. **Arasan** to one hundred pounds of shelled or 3 oz. **Arasan** to one hundred pounds unshelled peanut seed. For vegetables 1/3 to 2/3 level teaspoonful **Arasan** to one pound seed (depending on variety).

1 Oz. 16c—8 Oz. 80c—4 Lbs. \$5.16—25 Lbs. \$30.00—100 Lbs. \$115.00



INOCULATE FOR LEGUMES

Culture Group	To Inoculate	Price ea.
A—ALFALFA		
—CLOVERS	1 bu. (60 lbs.)	\$.50
Sweet Bur,	2½ Bu. (150 lbs.)	1.00
Hubam		
B—CLOVERS		
Red, Hop, Subterranean, Alsike, Crimson, White Dutch	1 Bu. (60 lbs.)	.50
	2½ Bu. (150 lbs.)	1.00
C—VETCH, PEAS		
Austrian	100 Lbs.	.50
Canadian	1200 Lbs.	5.70
English, Sweet		
D—BEANS		
Snap, Wax	1 Bu. (60 lbs.)	\$.35
Kidney		
E—COWPEAS		
PEANUTS	Up to 120 lbs.	.30
BEANS, Lima,	5 Bu. (300 lbs.)	.55
Vevlet, Mung	25 Bu. (1500 lbs.)	2.50
CROTALARIA	30 Bu. (1800 lbs.)	3.25
KUDZU		
L—LESPEDeza		
All kinds	100 Lb. Size	.50
LUPINES		
All Varieties	100 Lb. Size	.50
	Up to 120 lbs.	.30
S—SOYBEANS	5 Bu. (300 lbs.)	.55
All kinds	25 Bu. (1500 lbs.)	2.50
	30 Bu. (1800 lbs.)	3.25
GARDEN SIZE NITRAGIN		
English and Sweet Peas	Up to 6 lbs.	.10
Snap and Lima		
Beans—Lupines		

Prices Postpaid

Nature has endowed legumes, beans, alfalfas, clovers, lespedezas, vetches, peas, lupines and other crops bearing their seeds in pods with the ability to bring fertility to the soil and prosperity to agriculture. Legumes have been grown as far back as the history of agriculture can be traced. Even in those times, they were valued for their peculiar ability to enrich and improve the soil.

In 1886, it was discovered that legumes whose root systems had nodules grew with greater vigor, and correspondingly increased soil fertility. Studying these nodules revealed that they contained bacteria, and it was these bacteria which made it possible for legume plants to get their nitrogen from the air whereas other plants had to take all their nitrogen from the soil.

Further investigation showed that some legumes did not have the nodules on their roots and such plants did not thrive with the same vigor. A way to supply bacteria to these plants was then sought. First, soil from a field where legumes had been grown was put on fields to be sown in legumes. This was very laborious, supplied too little nitrogen, spread disease and weed seed. Meanwhile the scientist had grown the bacteria successfully. These pure cultures of the bacteria were put in legume seeds and gave very good results. Thus, began the practice of "inoculation", which means applying cultures of nitrogen-fixing bacteria to legume seeds before planting.

Probably no other discovery has meant so much to agriculture as this subtle relationship of bacteria with leguminous plants. The part which well-inoculated legumes play in building and maintaining agriculture on a permanently productive and profitable basis is emphasized by all state agricultural experiment stations and the United States Department of Agriculture.



WEED KILLERS — PLANT HORMONES — SEED TREATMENT



**KILLS WEEDS
IN 7 TO 30
DAYS' TIME**

Revolutionary weed killer—non-corrosive, non-inflammable. Won't sterilize soil. Won't stain. Harmless to animals. Weedicide destroys worst weed pests, Poison Ivy, Poison Oak, Canada Thistle, Jap Honeysuckle, Bindweed, many others.

LIQUID OR TABLET

2 Oz.	\$.25
8 Oz.	1.00
1 Qt.	2.25
1 Gal.	6.50
Tablets, 8 to Jar .....	.25

Ammate Weed Killer (AMMONIUM SULFAMATE)

Ammate generally effects a permanent kill on many noxious weeds, also on woody, perennial vines or shrubs.

Ammate is effective for spot treatment of crab grass, dandelions, etc. in lawns. One pound makes one gallon of solution.



2 lb. pkg.	\$.75
6 lb. pkg.	2.00

Prices F.O.B. Dallas

Acme Weed Killer

For destroying all plant life on driveways, tennis courts, etc. Sterilizes soil. Dilute 1 to 50.

Pint 45c—Qt. 65c—Gal. \$1.84
—5 Gals. \$8.45—F.O.B. Dallas



Stanley's Crow Repellent (Non-poisonous)

1/2 Pt. Protects 1 Bu. Seed Corn

Keeps crows and other birds, insects and rodents away from seeds and protects seeds from rotting in the ground. Corn growers use it at a cost of only 10 or 12 cents per acre. Market gardeners use only a teaspoonful to a pound of average garden seed to protect both seeds and young plants. You may treat with Semesan in advance, then apply Stanley's Crow Repellent just before planting.



Postpaid Prices

1/2 Pint.	\$.60
Pint	\$1.00
Quart	1.75



**BIGGER CROPS
EARLIER — LARGER — FIRMER
MORE FLAVORFUL—
MORE UNIFORM
SEEDLESS TOMATOES**

Set early tomato blooms and get 20% to 30% additional crop with FIX. Large, well-shaped seedless fruit. Also melons, cucumbers, squash. Newest achievement of agricultural science!

20 TABLETS...25c
MAKES 20 QUARTS
100 TABLETS \$1.00
MAKES 100 QUARTS



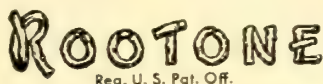
500 Tablets\$4.00



Reduces Loss in Transplanting

1 oz. makes 100 gallons solution. Use on all kinds of flowering plants, vegetable plants, shrubs, seedlings or trees when planting.

1/2 oz. 25c—3 oz. \$1.00—1 lb. \$4.00
Postpaid



For Cuttings, Seeds and Bulbs

Cuttings treated with Rootone, root in a much shorter time, heavier root systems are formed and fewer cuttings die. Bulbs, Flower Seeds, Vegetable Seeds, Grass and Clover Seeds dusted with Rootone germinate quicker and root growth is faster and heavier.

1/4 oz. 25c—2 oz. \$1.00—1 lb. \$5.00—
Postpaid

No. 10 Rootone (for use on woody cuttings only) 1 lb. \$10.00—Postpaid



For stopping premature drop of flowers, fruit and leaves of Apples, Pears, Plums, Peaches and Tomatoes.

2 1/2 oz.	\$.25
2 oz.	1.00

Postpaid



NEW VITAMIN B-1 "PLUS" PELLETS

Vitamin B-1 plus Pantothenic Acid, Vitamin B-6. Vitamin B-2 (G or Riboflavin). and Nicotinic Acid. All the known Vitamin B-Complex Factors. One 1. milligram Pellet makes from 40 to 50 gallons B-1 Plus solution at a cost of 1/2c or less per 20 gal. Use regularly for real garden success.

200 Pellets—1. Mil.	\$1.00
20 Pellets—1. Mil. ....	.25
25 Pellets—2 Mil., ea. ....	.10
(5 equal 1. Mil.)	

VITAMIN B-1 VITAMIZER

The Vitamin B-1 Vitamizer fits any standard garden hose, just below the nozzle connection. Can be loaded with from 1 to 6 Vitamin B-1 Plus Pellets. Correct solution is sprayed on lawns, shrubs, flower-beds, etc. without measuring and carrying water can around the garden. Can also be used with surface sprinkler. Will not impede flow of water through nozzle. Each pellet makes 25 gals. of correct solution in approximately 6 minutes. Takes up to 6 pellets which deliver 150 gals. correct solution in approximately 36 minutes. Each\$1.00

Postpaid



**Food
For
Cut
Flowers**

**Adds days more life
and beauty to cut flow-
ers.**

**Retards Wilting—
Prevents Fading—
Maintains Fragrance—**

Packet (makes 2 qts. solution)\$.10
Package (makes 30 qts. solution) ... 1.00

Postpaid

Hyponex Plant Food for SOIL or WATER CULTURE

A complete and balanced plant food—Nitrogen 7%, Phosphoric Acid 6%. Potash 19%—a clean, odorless soluble powder. For soil or water culture. For house plants and all kinds of garden plants. Reduces shock of transplanting. 1 teaspoonful of HYPONEX PLANT FOOD makes 1 gallon of solution.

1 oz. 10c—3 oz. 25c—1 lb. \$1.00
Postpaid

FERTILIZERS—PEAT MOSS—SOIL CONDITIONERS

Fertilizers

Sheep Fertilizer—an organic, pulverized and sterilized. Ready soluble, long lasting. Used as a mulch and as a plant food.

1-9	10-49	50 up
.04	.03½	.03

Interstate Mineral Supplement (90% Bone Meal)—Slow disintegrating organic fertilizer, valuable principally for phosphorus. Use on flowering shrubs, roses and when planting bulbs.

1-9	10-49	50-99	100 lb.
.10	.08	.06	4.95

Red Steer 4-12-4—A superior commercial fertilizer for all purposes and a rejuvenator for worn-out or deficient soils.

1-9	10-49	50-99	100 lb.
.05	.04	.03	2.50

Superphosphate 20%—Hastens maturity, stimulates root growth and contributes to seed formation. Use generously to control "Bloom-drop" on Tomato and other plants.

1-9	10-49	50-99	100 lb.
.05	.04	.03	2.75

Colloidal Clay—same as Superphosphate only slower acting.

1-9	10-49	50-99	100 lb.
.05	.03	.02	1.60

Nitrate of Soda—When plants indicate a need of "something" by puny growth and yellowish color or unusually small leaves, give a top dressing of Nitrate of Soda. Plants most benefitted by nitrate fertilizers are those that make much leaf growth as lettuce, cabbage.

1-9	10-49	50-99	100 lb.
.05	.04	.03	2.50

Muriate of Potash—A convenient commercial fertilizer for soil known to lack potash. Particularly beneficial to Corn, Grains, Celery and Potatoes.

1-9	10-49	50-99	100 lb.
.10	.07½	.05	4.50

Peat Moss

Moisture, not heat, makes tropic growth lush—

Peat Moss absorbs 12 to 15 times its own dry weight in water.

Peat Moss on the lawn, in the flower bed, around the shrubs, holds the moisture supply in the soil. In summer the hot rays are unable to penetrate a layer of peat, roots do not dry out, weeds are checked, moisture is saved. In winter plants are mulched to prevent alternate thaws and freezes, for sudden changes of temperature damage roots seriously and often fatally. Its wise to mulch with Peat Moss both summer and winter.

One bale covers about 300 sq. ft., one inch deep. Shipping weight approximate, since moisture varies, affecting weight.

2½ peck bag ..	4 lbs.....	\$.45
1 bu. bag.	7 lbs.....	.65
½ bale	50 lbs.....	2.85
1 bale	100 lbs.....	4.60

F.O.B. Dallas



Soil Test Kits



THE GOOD EARTH—or is it?

Simple Soil Test Kits, for Nitrogen, Phosphorus, Potash and Acidity with which everyone can make tests of soil and determine from them the fertility of any given plot of ground, then supply the deficiencies in proper proportions.

Model	Individual Tests in Kit	Price
Home Gardener	20	\$ 2.00
New Club Model	50	4.75
Professional Model	200	22.50
Horticultural	125	9.75
Kit for Acid-Alkaline tests only ..		1.00

Refills Soil Test Solutions

½ Oz. 30c—2 Oz. 75c—6 Oz. \$1.50
Prices Postpaid



PRIZE RESULTS!

with Vegetables & Flowers

DOUBLE DUTY DIET FOR HOUSE PLANTS

and garden flowers. Pre-war formula available now—11% Nitrogen: 15% Phosphoric Acid: 20% Potash. These clean, white odorless tablets grow gorgeous foliage on house plants, quantities of blooms in the garden, and finer vegetables. Each tablet is a FULL MEAL of rich plant food plus essential Vitamin B1.

30 Tablets	25c	200 Tablets	\$1.00
75 Tablets	50c	1000 Tablets	3.50

Postpaid

FULTON'S PLANTABBS

HELP EVERYTHING GROW BETTER

Sphagnum Moss

Sphagnum Moss has a high absorbant and water-holding capacity. Use for making compost for water loving plants, for propagating certain greenhouse plants and as a wrapping or packing material for the roots of such plants as roses and perennials.

per lb.	bale
.40	3.95

Soil Conditioners

Aluminum Sulphate—Used to acidify soil for Gardenias, Azaleas, etc. Also to obtain blue coloring in Hydrangeas. In black alkaline soil, use some Superphosphate with Aluminum Sulphate.

1-9	10-49	50-99	100 lb.
.10	.07½	.05	4.50

Copper Sulphate (Blue Stone) Used for control of root-rot as well as an important fungicide and blight spray when properly mixed with hydrated lime.

1-9	10-49	50-99	100 lb.
.20	.18	.17	15.00

Iron Sulphate (Copperas)—For restoring color in blossoms and foliage of plants, as well as for acidifying the soil.

1-9	10-49	50-99	100 lb.
.10	.08	.05½	4.75

Soil Sulphur—A soil insecticide and conditioner. Roses like it and respond very quickly.

Soil Sulphur is granular and used in the soil only.

1-9	10-49	50-99	100 lb.
.05	.04	.03½	2.80

Sulphate of Ammonia — 20% Nitrogen, makes soil acid.

1-9	10-49	50-99	100 lb.
.08	.06	.05	3.95



IMPROVED BLACK MAGIC PEAT MOSS

Use **BLACK MAGIC** brand peat as a general soil conditioner, mulch, and weed-free humus, for lawns, beds, borders, around shrubs and potted plants.

IMPROVED BLACK MAGIC PEAT MOSS contains valuable elements, Nitrogen, Phosphorus and Potash—also valuable minerals: Carbon, Oxygen, Hydrogen, Sulphur, Iron, Copper, Magnesium and Boron. Its acid element counteracts alkalinity.

Black Magic

CONDITIONS — NEUTRALIZES — MULCHES

IMPROVED BLACK MAGIC Peat Moss mixed into the soil around plants preserves moisture in the soil and holds many times its weight in moisture, so that hungry roots can "drink" the food they need. It also serves as a protective mulch from summer heat or winter cold. Used and recommended by leading Nurserymen and professional growers.

Quantity	wt.	Coverage	Price
1 Bu.	48 lbs.	29 sq. ft.	\$1.25
3 bu. bag ..	140 lbs.	87 sq. ft.	2.95



Millions of gardeners
know the secret of
gardening success is...

*Good Seed plus
Good Plant Food*

It takes living things . . . grass, flowers, trees, shrubs and vegetables to make a home enjoyable to all the family. In this catalog you'll find seed for hundreds of flowers and vegetables as well as suggestions to make your yard work more pleasant. It is all top grade seed that will thrive with a minimum of care. You must remember this: the plants that thrive are living things. They need air . . . moisture . . . food.

It is easy to supply lawn, flowers, shrubs, trees, and vegetables with the needed food by merely feeding everything in your garden with Vigoro. Vigoro is complete plant food that supplies Balanced Nourishment. To enjoy the full beauty our careful selection of seed can bring, we recommend that you feed your lawn, flowers shrubs, trees, and vegetables with

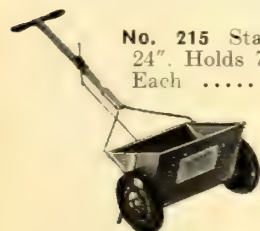
LAWNETTE FERTILIZER SPREADERS

To distribute plant food and lawn grass seed evenly. Has positive shut-off control on handle, non-clogging force feed mechanism, dial adjustment for various rates of application.

No. B-15—Spreading Width 14". Holds 15 lbs.
Shp. Wt. 11 lbs. Each\$4.45

No. 115—Junior—Spreading Width 16". Holds 30 lbs. Shp. Wt. 23 lbs. Each 8.50

No. 215 Standard—Spreading Width 24". Holds 75 lbs. Shp. Wt. 50 lbs.
Each 19.25



No. 315 — Spreading width 36". Holds 115 lbs. Shp. Wt. 65 lbs.
Each25.50
Prices F.O.B. Dallas

VIGORO (4-12-4)

Delivered Prices:

	East of 100th Meridian	West of 100th Meridian
5 Lb. Carton	\$.45	\$.45
10 Lb. Carton .....	.85	.85
25 Lb. Bag	1.50	1.75
50 Lb. Bag	2.50	3.00
100 Lb. Bag	4.00	5.00

The 100th Meridian is approximately on a North-South line from Wellington to Eagle-Pass, Texas. The higher price takes care of extra freight charges.

VIGORO

COMPLETE PLANT FOOD

GLASS SUBSTITUTES—HOTKAPS—PROPS—SOIL SOAKERS

Genuine Extra Heavy FLEX-O-GLASS



The Leading Window Material

Lets through more healthful Ultra-Violet Rays than other substitutes (clear across the spectrum) as proved in various authentic tests, and holds in heat better than glass.

Absolutely Waterproof — Unbreakable. Has 124 strong, preshrunk threads per square inch. Impregnated with extra high M. P. Composition that will not run, discolor or melt in a window.

Extra Heavy—Extra Durable

Guaranteed 2 years by the manufacturer.

36 inches wide Wt.

Square Yard, ea.\$.40

Roll of 25 sq. yds., 16 lbs., roll ... 8.75

Roll of 50 sq. yds., 32 lbs., roll 17.50

Roll of 100 sq. yds., 56 lbs., roll ... 35.00

GLASS-O-NET



Mesh Base Glass Substitute.

Plastic covered waterproofed cords. Used where transparency is important.

36 inches wide wt.

Square Yard, ea.\$.65

Roll of 25 yds., 20 lbs., ea. 14.25

Roll of 50 yds., 18 lbs., ea. 28.50



Termite and rot proof. Adorns any plant and beautifies gardens.

Saves Hours of Work, Lends a "Firm Hand" to Weak Stalks and They're Permanent

Use them year after year. Finished in Garden Green Enamel. Three sizes: Postpaid

16 O'all, 10" high. Ea. ...\$.06

Dozen55

30 O'all, 23½" high. Ea.11

Dozen 1.12

42 O'all, 35½" high. Ea.15

Dozen 1.40

66 O'all, 60" high. Ea.25

Dozen 2.40

78 O'all, 71½" high. Ea.33

Dozen 3.55



Glass Substitutes

Transmit over 60% of beneficial Ultra-Violet Rays. (Vitamin D, the Sunshine Vitamin.)

Are good insulators. Help to keep out cold and to keep heat in.

Retain humidity. Help to keep temperature and humidity more uniform.

Are easy to clean and will stay clean longer. Just wipe with damp cloth.

Are economical. Installation and replacement costs are low.

Are easy to install. Cut to size with shears and nail down with good strips.

Give lasting service. Do not become discolored or brittle with age.



Extra eggs, or chicks saved for this scratch shed in a few days. Ideal for enclosing porches, covering screen doors, etc. Methods that grow plants quicker and stronger to transplant. Easily nailed up for Barn, Poultry House, or Garage Windows.

HOTKAPS

FROST can't hurt INSECTS can't touch

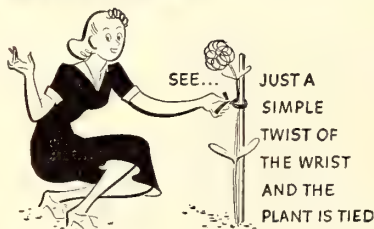


HOTKAPS eliminate water and insect damage. These patented wax paper cones form miniature hot houses over each plant, promote sturdy growth and bring crops to maturity two to three weeks earlier, thus getting premium prices. Inexpensive to buy. Easy to set out. One man can place 2000 or more per day.

Hotkaps	Wt.	Price
25	2 lbs.	.....\$ .60
100	5 lbs.	..... 2.20
* 250	9 lbs.	..... 4.15
1000	28 lbs.	..... 12.00
5000	140 lbs.	..... 58.75
Fiberboard Setter		..... .20
Steel Setter, 4 lbs.		..... 1.75

*Furnished with Fibreboard Setter

'TWIST-EMS' THE NEW HANDY PLANT-TIE

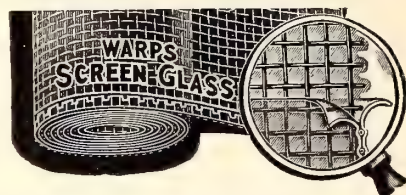


Help you to support plants quickly, neatly, permanently. Say "goodbye" to unsightly twine, to needless work with shears. Say "hello" to Twistems, strong, dark-green "invisible" tapes with wire reinforcing.

Postpaid

Box 125—8" tapes 35c

SCREEN-GLASS



Plastic covered wire screen, layer built to give longer service.

36 inches wide wt.

Square Yard, ea.\$ 1.35

Roll of 50 lin. ft., 23 lbs., roll 21.00

Roll of 100 lin. ft., 44 lbs., roll 42.00

WYR-O-GLASS



Wire Base Glass Substitute.

Plastic Covered galvanized ¼" mesh wire. Extremely tough and very transparent.

36 inches wide wt.

Square Yard, ea.\$.90

Roll of 25 sq. yds., 14 lbs., roll 20.25

Roll of 50 sq. yds., 28 lbs., roll 40.50



IT REALLY SOAKS THE SOIL

Scientifically treated, mildew resistant canvas, one end screws to water hose, other end closed. Water seeps through every pore, soaks directly into the soil over an area of several feet on all sides. No spray—no waste on walks, driveways, in street—no excessive evaporation.

For Lawns and Gardens:

12 foot length, wt. 1 lb.	ea. ....\$1.65
18 foot length, wt. 1½ lb.	ea. 2.20
30 foot length, wt. 2 lbs.	ea. 3.40
50 foot length, wt. 2½ lbs.	ea. 5.50

Postpaid



"Liquid Glove" Lotion

A delightful house and garden Lotion, to protect your hands, before exposing to soap, water, gardening and household tasks. Excellent for powder base, body rub and chapped limbs.

6 oz. bottle ... 25c 12 oz. bottle .. 50c

SPRAYERS — HOSE — NOZZLES — HANGERS

ARNOLD Garden Hose Sprayer



MAKES SPRAY TIME—PLAY TIME
Avoids Messy Drudgery

Just insert an Arnold Insecticide Cartridge, attach the sprayer to your garden hose, turn on the water and spray effectively.

Arnold Sprayer—Chromium plated transparent cartridge chamber. Wt. 2 lbs.
Ea. \$4.50

36 Inch Extension—Angle or straight chromium plated for "tall" spraying. Wt. 1 lb. Ea. \$1.75

Parts—Transparent Cartridge Chamber and Couplings \$1.75

Postpaid

ARNOLD INSECTICIDE CARTRIDGES

For Insects and Plant Diseases Listed Cryolitespray — Bag Worms, Codling Moth, Mexican Bean Beetle, Potato Beetle, Cucumber Beetle, Cabbage Worm, other chewing insects.

P-R—For control of such sucking and chewing insects as Aphis, Rose Beetles, Red Spider, Canker Worm, Lawn and Sod Worms, etc.

Arsen-O-Spray — Bag Worms, Codling Moths, Cut Worms, etc.

Funguspray—Fungus, Molds and Black Spot.

Sulph-O-Spray—Mildew, Rust, and Rot.

Vitamin B1 Cartridges—Stimulates root and stem growth and bloom.

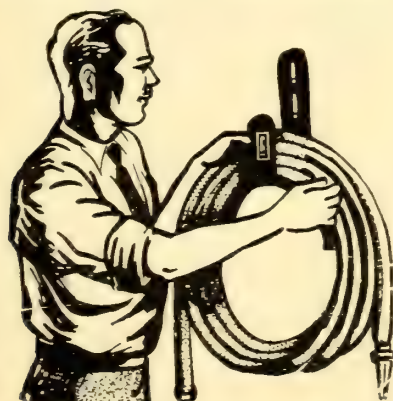
DDT—Cucumber Beetle, Potato Beetle, Bagworm, Tent Caterpillar, Fruit Moth, Rose Weevil, Squash Bug and certain other insects.

Rot-O-Spray—For Chewing Insects. Acts as both stomach and contact poison.

Pyr-O-Spray — A contact spray for use against Leafhopper, Mealy Bug, Aphis and other sucking insects.

Cartridge weight, per dozen, 2 lbs.

Each 35c—Box of 12, \$4.00 Postpaid.



Hayes-Ette Garden Hose Sprayer

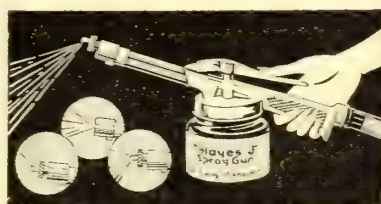


New self-mix Garden Hose Sprayer that is compact, light in weight, economical. Weighs little over a pound filled. Concentrated insecticide in bottle is automatically mixed with right amount of water for discharge under pressure. One bottle makes 1½ gallons effective spray. Made of non-corrosive metals.

Hayes-Ette Sprayer \$3.45
Extra Jars25

Postpaid

Hayes Jr. Spray Gun



Works on the same principle as the Hayes-Ette. Attach to garden hose, put concentrated insecticide in the jar, turn on the water and spray up, down or sideways, with effective pressure. Makes 3 gallons full strength spray. Has easy lever control; long barrel for hard-to-reach places.
Hayes Jr. Spray Gun \$6.95
Extra Jars, each35

Postpaid

Trucord Garden Hose



TRUCORD Garden Hose is of synthetic rubber construction, and has a black corrugated rubber cover. Double braid of cotton cord gives protection against bursting. Cord tensions are equalized so there is no tendency for the hose to twist when water pressure is applied.

Outside dia. 1"—Inside dia. 5/8".

50 ft. coupled, wt. 18 lbs. Ea. \$6.67

25 ft. coupled, wt. 8 lbs. Ea. 3.60

F.O.B. Dallas

Handy Hose Hanger

Ideal inexpensive method for holding of Garden Hose. Hanger can be hung any convenient place. Lengthens the life of any hose. Heavy steel construction 12" wide and 13" high. Painted grass green enamel finish. Comes knocked down with bolts for quick attachment. Shp. Wt. 2 lb., ea. 60c

KEEP YOUR FLOWERS AND VEGETABLES disease and pest free—Write for free Spray Guide—Ortho—Acme—Arnold. Insecticides listed on pages 34, 35, 36, 37.

Harco Sprayer



EFFICIENT AND EASY TO USE

Simply squeeze pump handles together, there's just the spray you want, where you want it, up, down, sideways, without adjustment. Fine for use with both garden insecticides and household sprays. Long extension rod penetrates hard-to-reach places. Light and easy to handle. Never out of adjustment. Extra cup washers available.

Complete, Postpaid \$2.35

Hose Nozzles

JUSTRITE NOZZLE



Heavy cast brass with non-rising sleeve. All it's name implies.

No. 85, ea. \$1.00

BRASS KING NOZZLE

Wrought brass. Lighter than the Justrite Nozzle but a good big nozzle which operates smoothly and gives years of service.

No. 4446, ea. 40c

EAS-E-GO NOZZLE



Made of non-corrosive aluminum. Absolutely water tight with a finger tip control. Can be adjusted down to a fine mist spray. Really a durable nozzle fully adjustable.

Senior Nozzle, ea. 75c

Junior Nozzle, ea. 50c

Cast Brass Flat Spray



No. 7000

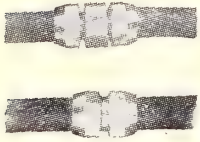
Especially desirable for watering newly seeded lawns and flower beds. Roots can be watered without damage to the blossoms. Stamped

brass discharge plates and cast brass bodies. ¾" high with a 7/8" by 5-1/4" discharge area with 97 small perforations. No. 7000—Shp. Wt. 1 lb., each \$1.25

The No. 7047 is a smaller stamped brass flap spray, perforated top 4-3/4" by 1". No. 7047—Shp. Wt. 3/4 lb., each .. \$.66

COUPLINGS—MENDERS—SPRINKLERS—SHEARS

Eas-E-Go Hose Couplings



Eas-E-GO Hose Couplings are absolutely water tight, built with precision, coupled in a flash; dependable and long life, free from rust and very strong. No

tools or mechanical assistance required in attaching to hose. Eas-E-Go Couplings can be attached in less than a minute. May be separated into a water outlet attachment and a nozzle attachment. Swivel action keeps the hose from twisting or snaking.

Complete Hose Coupling	\$1.00
Extension Hose Connector .....	.85
Faucet End only .....	.65
Nozzle End only .....	.50

"Long-Grip" Couplings



Wrought brass body and coupling nut, heavy plated, soft steel fingers. Right angle finger ends with concave tips for deep biting grip. (For 5/8" hose) (Complete Coupling)

No. 251C (Cut Thread) Ea.	\$.43
No. 251R (Rolled Thread) Ea. ....	.35

'Long-Grip' Hose Menders



One-piece body of heavy genuine wrought brass. Heavy finger members of special soft steel. Rust-Proof (for 5/8" Hose)

No. 250 Ea.	\$.14
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Garden Hose Clamps

Made of heavy wrought brass. Size 5/8".

No. 3935 Ea.	\$.08
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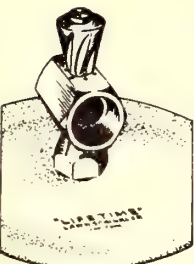
Garden Hose Washer Clips



One dozen rubber washers to the clip.

No. 3935 Ea.	\$.06
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Lifetime Lawn Sprinkler

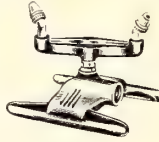


An outstanding value. Made of aluminum which will not corrode or rust. Wide base prevents up-setting. Fine misty spray at all pressures. Sprays 30 foot diameter area. Only one working part. Designed and built for lifetime operation.

No. 100—Shp. Wt. 1 lb.	\$1.98
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Junior Nozzle Type Revolving Lawn Sprinkler

The Junior sprays a 40 foot circle. The stream-lined nozzles can be set for spray or streams. Always revolves. Red finish, brass nozzles and bearings. Height 5 5/4 inches. Modern Base 7 by 6 inches.



No. 7004—Shp. Wt. 3 lbs.	\$3.75
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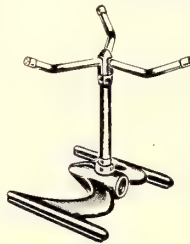
Parkside Nozzle Type Sprinkler

Use Revolving or Stationary Sprays or Streams

The Parkside can do all a sprinkler should do superbly. Can be adjusted to water large or small areas, half circles or irregular shaped plots; revolves or, by a simple adjustment, is stationary. The cast brass nozzles can be set to throw a fine mist for newly seeded lawns and delicate flowers or to discharge a stream for saturating areas up to 48 feet in diameter. 7" high, 6-3/4" by 8" base.

No. 7003 Ea.	\$4.50
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Anaconda Revolving Lawn Sprinkler



An old favorite of proven performance. Throws a water circle of 34 feet diameter and sprays from 5 to 7 gallons per minute. 10" high. Base 7 1/4 by 7-1/8". Arm 10 1/4 diameter.

No. 7008—Shp Wt. 3 1/2 lbs.	\$2.50
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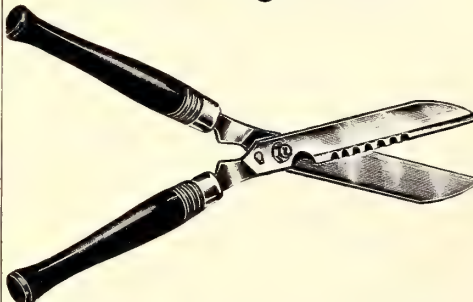
"3463" Revolving Lawn Sprinkler

The "3463" distributes water thoroughly and covers a circle of 34 feet. 4 1/2" high, base 7 by 7 1/2". Arms 7 1/4" diameter. Red base with brass head.



Each	\$1.65
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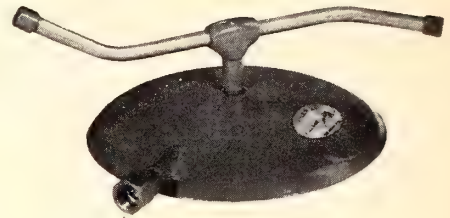
Keiser Hedge Shears



These shears with serrated edge actually help the cut. Made from high carbon steel carefully hardened and tempered for long life. Hollow ground. Pivot bolt hardened and secured with slotted nut with cotter pin.

K100	\$2.80
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Junior Sprinkler



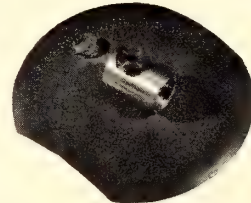
JUNIOR SPRINKLER—with a circle diameter of 60-80 feet. All steel red base (12" diameter), and body with two 10" brass arms. Wt. 4 lbs. Ea. \$4.75
F.O.B. Dallas

Midget Sprinkler



MIDGET SPRINKLER—with a circle diameter of 40-60 feet: All steel red base (7 1/2" diameter), aluminum body and two 6" brass arms.
Wt. 3 lbs. Each, F.O.B. Dallas .. \$2.75

Dual Sprinkler



DOES NOT REVOLVE

It is equipped with two nozzles; one to direct the spray in a one-half circle and one that directs the spray over a 30 foot diameter circle. All steel red base (7 1/2" diameter), aluminum body and brass nozzles. Wt. 1 1/2 lb. Each \$1.60

"Ring" Lawn Sprinkler

Made of heavy sheet brass and so strongly crimped together that it cannot be forced apart even under the heaviest pressure. It has been carefully designed to give a satisfactory distribution of water. The spray is finely divided and covers a large circle. 8 1/2" diameter. 3/4" insert hose connection.

No. 7016 Ea.	\$1.65
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Miracle Grass Shears



A radical new principle of high pivot blade mounting makes possible the following permanent improvements. The easiest working shear ever made. No more blisters. No more tired hands. Built strong enough to do the heaviest work and last for many years.

Miracle Grass Shear. Shp. Wt. 1 1/2 lbs.	\$2.00
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PRUNERS—SHEARS—HANDI-CARTS



Long Handled Pruners

Powerful, rugged lopping shears for heaviest cutting. Tool steel forgings, heat treated and accurately ground, fitted with heavy slick ash handles with long strapped ferrules.

Postpaid
No. 25, 22" handle, cuts 2" limbs **\$4.00**
No. 45S Rockdale, 22" handle, cuts 1 1/4" limbs **2.50**
No. 528 Professional Pruner: 28" overall, cuts 1 1/2" limbs **4.50**

California Pattern Pruners



No. 124—"Professional" one piece drop forged steel, keen, powerful, positive slicing action. Honed edges. 8" long, wt. 1 lb. **\$3.50**

No. 151—One piece cutlery steel drop forging, wt. 1 lb. **1.19**
(Postpaid)

Snap Cut Pruners



No. 119—Easiest, safest, keenest of all pruners—bronze anvil—all cutting parts easily replaced, non-pinching handles—rust resistant finish—8" long, cuts 3 1/4" branches. Wt. 1 lb., each **\$2.25**
 Blades only, for No. 119 **.60**
 Anvils only, for No. 119 **.20**
No. 118—Ladies' "Snap Cut"—rust resistant finish — 6" long, cuts up to 1/2" branches. Wt. 1/2 lb., each **1.39**
No. 122—Clipper Pruner—Featuring dual cutting action. Strong durable steel construction. Cuts easily and closely without injuring the bark. Knurled handles with small bolts. All parts easily replaceable. Wt. 1 lb. **1.39**
(Postpaid)

Ezy-Cut Grass Shears

A handsome highly efficient tool. Self-tensioning. Tempered cutlery steel blades with rust-resisting finish. Easy non-tiring, non-pinching "squeeze-grip" action. Operating parts housed apart and protected. Easily taken apart for cleaning and re-sharpening.

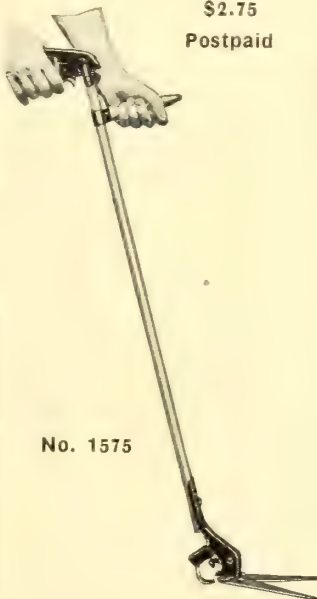
No. 157
\$1.59
Postpaid



STAND-UP GRASS SHEARS

No. 1575—Same as No. 157 but with squeeze action handles on stand-up shaft that permits cutting from a standing position. Blades mounted between two wheels at lower end of shaft. Wt. 2 1/2 lbs.

Each
\$2.75
Postpaid



No. 1575

Handi-Cart

Replaces Clumsy, Awkward Wheelbarrow

Just tip it down and rake grass cuttings, leaves, trash, earth, sand, gravel, or what have you, right into the cart, then tip it back and you have a full load. Of endless utility about the house, garden, garage and yard. Steel construction, rubber tires.

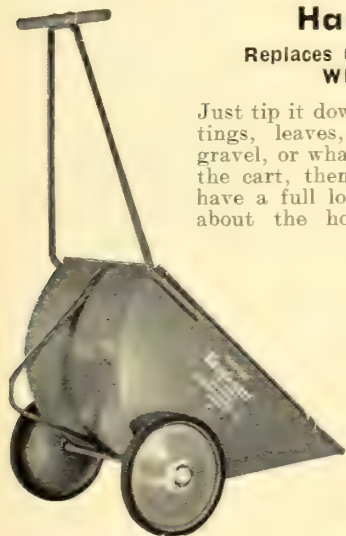
3 Cubic foot capacity, wt. 26 lbs.

\$7.45

3 1/2 Cubic foot capacity, wt. 30 lbs.

\$9.70

F.O.B. Dallas



Lightning Clipper Shears

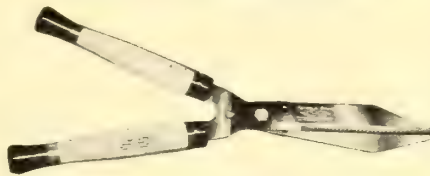


Finest Cutlery Steel notched blades. Long bevels and thin edges. Top blade has sharp hooked teeth to grip twigs. Both blades fully polished, hardened, tempered and hollow ground. Both blades notched. Tang extends through smooth finished hardwood handles and is bolted in the end.

Postpaid

154N-9 1/2—9 1/2" Blade **\$3.75**

Essex Hedge Shears



Shears of good quality. Keenly ground and notched of special oval blades, lacquered ash handles.

4N-6 6" Blades **\$1.19**

4N-8 8" Blades **1.50**

Ezy-Cut Hedge Shears—Oval shaped hollow ground, cutlery steel blades. Top blade with serrated edge. Bottom blade with large notch. Raised handles with lacquered finish.

Postpaid

14N-8 8" Blade **2.25**

GLOVES

Made from select hides, with finger freedom designed for comfort and protection. Washable. Small, medium and large sizes for women. Medium and large sizes for men.

Ladies, pr. **\$1.00** Men's, pr. **\$1.25**



Tip Top Tree Trimmers

An aeroplane spruce, jointed pole. Hardened and tempered Cutlery Steel Blades. Can be used as a 4, 8 or 12 ft. pruner, and additional 4 foot sections can be added to make it even longer. Cuts one inch limbs easily. Removes nests, trims climbers, prunes trees, high shrubs, berry briars and bushes, also picks high growing flowers.

Postpaid

No. 1312—Tip Top Tree Trimmer with 2 4-foot sections. Shipping wt. 6 lbs. **\$3.50**

No. 13-S—4 ft. Section Pole for above. Shipping Wt. 2 lbs. **.75**

No. 1300—Saw Blade 1.15
Pruner Blade **.15**



Multi-Power Hedge Shears



Compound lever provides soft, smooth, non-jolting action. Perfectly balanced for comfort. Light weight and ruggedly built for hard service. Blades of hardened tempered cutlery steel.

Postpaid

26N-6 6" Blade **\$2.00**

26N-8 8" Blade **3.00**

26N-9 1/2 9 1/2" Blade **3.25**

CULTIVATING **GARDEX** GARDEN TOOLS



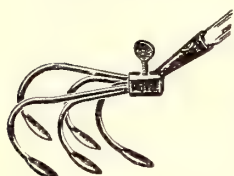
No. 1523 Gardex Combination Cultivator-Weeder. The weeding blade on this combination tool cuts off weeds quickly and easily. Turn the tool over and you have a three-prong cultivator.

No. 1523, 3 prongs, 4-1/3" wide, weeding blade 4" wide, 4' handle, wt. 2 lbs. Each \$1.35

No. 4107 Gardex Scuffle Hoe. This push type hoe is a favorite for cutting weeds in driveways, close to buildings and other places where ordinary hoes are unsatisfactory. The blade is made of special high-grade steel that will stand up and stay sharp under the hardest kind of treatment. If you have a crushed rock driveway where the weeds persist in coming you will find this just the tool you need. 4 1/2' handle.

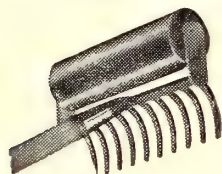


No. 4107, blade 7" wide, wt. 3 lbs. Each \$1.35

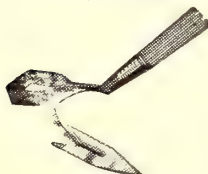


No. 160-5 Gardex Interchangeable Cultivator, for light and medium soil. The ladies' favorite. Also for green houses and hot beds. 5 prongs, adj. 3/4" to 7", 5' handle. Wt. 3 lbs. Each \$1.50

No. 254 Gardex Roller Rake. A combination roller and rake. The rake covers the seeded rows. The roller part presses the soil down to give the seeds closer contact with the soil. An especially handy tool for reseeded lawns. The roller is detachable. 10" wide, 10 teeth, roller diameter 2 3/4", 5' handle, wt. 4 lbs. Each \$2.40



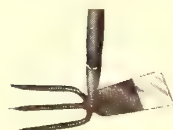
No. 173, Gardex Culti-Weeder. A two-in-one-tool. For use where plants are close together. Hoe and weed quickly without changing tools. Hoe 2-3/8", diamond point share 2" wide, 4 1/2' handle. Wt. 3 lbs. Each \$1.25



No. 200-6 Gardex Hand Plow, for opening furrows before planting—covering furrows—hilling corn, potatoes and similar crops—making irrigation ditches around gardens and for bulb planting. The double mold board throws the loose dirt to both sides of the furrow. With one easy trip across your garden pulling the GARDEX Hand Plow No. 200 behind you, you have a clean, open furrow, ready for planting. This tool is also very handy for ridging your soil in the fall to catch and hold winter moisture.



200-6—5' handle, wt. 3 lbs. Each \$1.75



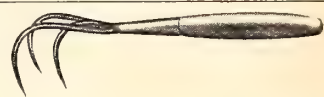
No. 931 Gardex Cultivator Hoe—(3 prong) with pointed blade. 4 1/2' handle. Wt. 2 lb. Each \$1.20

No. 932 Gardex Cultivator Hoe—(3 prong) with square blade. Gardex quality construction. 4 1/2' handle. Wt. 2 lb. Each \$1.20

No. 740 Gardex Trowel—High carbon steel blade. Half polished, round point, sharpened. Shank forged on to blade. Length 11 1/4". Wt. 1 lb. Each 50c



No. 713 Gardex Midget Cultivator—For use in small beds, between narrow rows, in hotbeds, etc. Length 11", Wt. 1 lb. Each 40c



No. 714 Gardex Midget Culti-Weeder—Weeding blade on one side and three pronged cultivator on the other. 3 prongs 2 3/4" wide. Blade 1 1/2" wide. Length handle 16". Wt. 1 lb. Each 50c



No. 703 Gardex Midget Fork—Handy for many purposes like planting house plants, flowers, etc. 3 forged prongs. Length 11". Wt. 1 lb. Each 35c



No. 732 Gardex Midget Culti-Hoe—Excellent for loosening soil and weeding in small garden plots, rock gardens and window boxes. Length with handle 12". Wt. 1 lb. Each 50c



No. 721 Gardex Midget Culti-Spade—This handy tool has two prongs and a pointed sharpened blade half polished. Length with handle 12". Wt. 1 lb. Each 45c

Gardex Dibble and Hollow Planter

These tools are especially suited for planting bulbs and for setting out plants. They are both made of good steel and are as light as a feather. Both tools are equipped with a pistol grip which makes them easy to handle and does not tire your hand when planting.



751 750

The **Gardex Hollow Planter** is pushed into the soil, given a quarter turn and then lifted out. This tool leaves the walls of the hole soft and loose, giving the young plants or bulbs an easy bed for a quick start.

No. 751, Gardex Dibble, 11 3/4" overall, wt. 1 lb. Each 85c

No. 750, Gardex Hollow Planter, Diameter of hole 1 1/2" wt. 1 lb. Each 80c

No. 120-7 Gardex Bow-Pull Hoe. An exceptionally fine hoe for use in thinning, hoeing and weeding among onions, beets, potatoes, cotton, tobacco and similar crops. The cutting edge turned well toward you, makes it possible for you to use the GARDEX easy pulling principle. 4 1/2' handle. Wt. 2 lbs. Each \$1.35



No. 270 Gardex Small Hand Seeder. Has adjustable hopper for spacing and adjusting size of holes for smallest flower seeds up to cucumber size. Discs come apart so hopper can be filled with seeds. Holes are adjustable for seed size by turning discs one way or the other. 2 1/2' handle.



No. 270, wt. 1 lb. Each \$1.20

MISCELLANEOUS GARDEN SUPPLIES



Wood Wired Labels and Pot Labels

	Ea.	Doz.	100
Unpainted wood with wire 5/8x3 1/2 in. ....	.02 1/2	.20	.75
Unpainted Pot Label 5/8x6 in. ....	.02 1/2	.20	.75
Unpainted Pot Label 5/8x10 in. ....	.02 1/2	.20	.90



"Converto" Garden Tools

Very Sturdy — Will withstand long, hard usage—reinforced angle construction, guards against bending or breaking. Special oxidized finish gives these fine garden tools a long lasting finish that will retard rust and corrosion—will not chip off like paint.

To change "Converto" to a long handle tool simply remove red cap from metal handle, and insert old broomstick.

Trowel 11 1/2" long. Weeder-Cultivator 10" long. Transplanter Trowel 11 1/2" long.

Each Set 79c

The New Garden Encyclopedia

Edited by E. L. D. Seymour. Pronouncing guide: Profusely illustrated; 1380 pages. Complete one volume reference on gardening. Everything you want to know about flowers, vegetables, roses, orchards, lawns, greenhouses, soils and seasons. Marvelous gift.

Price Postpaid \$4.00

Aluminum Broom Rake



New and different but fairly tested. A light broom rake which does not rust, needs no wiping, does not dig into the ground or snag or pierce. Tough but resilient. If bent, can readily be straightened to original position. 48" wood handle. 12" blade. 11 tines.

GR-1 each \$1.25

FOR OTHER GARDEN TOOLS
REFER TO PAGES 48 AND 49

BIRD HORTICULTURAL PRODUCTS

Tom Thumb Flats with Vita-Bands



Potted annuals command premium prices. Vita-Bands provide an easy economical method of growing potted annuals. Plants may be started in Vita-Bands on benches and transferred to Tom Thumb Flats just before selling. Vita-Bands assure vigorous well balanced growth and early maturity because they prevent nutrient deficiency, retain moisture (watering is reduced 50%), eliminates dangerous drying out and prevents root shock.

Size No. 1 holds 12, 1 1/4" bands. Size No. 2 holds 12, 2 in. bands.

VITA BANDS

Size	Doz.	100
1 3/4 x 2 1/2 \$.17		\$.85
2 x 2 1/2 ..... .20		.95
2 1/2 x 3 ..... .23		1.10

TOM THUMB FLATS

Size	Each	Doz.
Size 1 \$.10		\$1.00
Size 2 ..... .10		1.00

COMBINATION TOM THUMB FLATS AND VITA BANDS

A Set consists of 1 Flat and 12 Bands.	Set	Doz.
Size 1—1 3/4 x 2 1/2 \$.25		\$1.60
Size 2—2 x 2 1/2 ..... .30		1.75

Tom Thumb Flats with Grotex Bands

The Flats are the same as listed above. The Grotex Band is used for shorter growing periods, up to ten weeks. It has the same features as the Vita-Band but less nutrients. Usually requires chemical feeding for the plant.

GROTEX BANDS

Size	Doz.	100
1 3/4 x 2 1/2 \$.15		\$.60
2 x 2 1/2 ..... .15		.65
2 1/2 x 3 ..... .20		.85
3 x 4 ..... .25		1.25

COMBINATION FLATS AND GROTEX BANDS

A Set consists of 1 Flat and 12 Bands.	Set	Doz.
Size 1 \$.20		\$1.15
Size 2 ..... .25		1.20

Neponset Red Pots

Made from water resistant paper, with reinforcing disc bottom. For transplanting seedlings, moving and/or shipping plants.

Sizes	Doz.	100
2 in. \$.17		\$1.00
2 1/2 in. .... .20		1.05
3 in. .... .22		1.12
4 in. .... .30		1.75
6 in. .... .48		2.90



Cutworm Protectors

Made of water-proof heavy fibre resin. Does not disintegrate in the ground. 3 inches high and 3 inches in diameter. Very easy to place around plants. Save your plants.

RA-50 (50 to pkg.) pkg. 25c



Plant Good

MAGNOLIA SEEDS

DISINFECT SEEDS WITH SEMESAN, ARASAN
OR CERESAN. (Page 38)

INOCULATE ALL LEGUMES WITH NITRAGIN.
(Page 38)

FEED ALL PLANTS WITH VIGORO. (Page 41)

SPRAY OR DUST ALL PLANTS ADEQUATELY AND
FREQUENTLY. (See Insecticide Pages 34, 35, 36, 37.)

USE EFFICIENT SPRAYING AND DUSTING
EQUIPMENT. (Pages 50, 51, 52)

FARM AND GARDEN IMPLEMENTS

RAZOR-BACK SHOVELS

R248
Long Handle
Round Point
Shovel



R2UD
D-Handle
Round Point
Shovel



S248
Long Handle
Square Point
Shovel



S2UD
D-Handle
Square-Point
Shovel



IR248
Irrigation
Shovel



GSUD
D-Handle
Square Point
Shovel



GENERAL SPECIFICATIONS

Blade and 11" long socket forged in one piece, heat treated and "Surface Peened." Center section, extending from cutting edge of blade to upper part of socket, 13 gauge thickness. Sides of blade tapered to 17 gauge. Rolled shoulder.

"Super-Smooth" black finish, smoother than ordinary "polished" shovels. Handle guaranteed XX strength, finished in the famous RAZOR-BACK red color.

SHOVELS

Catalog No.	R248	R2UD	S248	S2UD	IR248
Size	2	2	2	2	2
Type of Blade	Round Pt.	Round Pt.	Square Pt.	Square Pt.	Round Pt.
Blade Size	9x12	9x12	9½x12	9½x12	8¾x11¾
Blade Lift	6½"	6½"	6½"	6½"	3¾"
Handle Lift	32"	19"	33"	20"	24"
Handle Length and Type	48"-Long	27"—With D	48"-Long	27"—With D	48"-Long
Socket	11"	11"	11"	11"	11"
Weight	Tool 4½ lb.	5 lb.	5 lb.	5 lb.	4½ lb.
	Handle 1½ lb.	2 lb.	1½ lb.	2 lb.	1½ lb.
Right Repair Handle No.	1004	1005	1004	1005	1004
List Ea.	\$1.88	\$1.88	\$1.88	\$1.88	\$1.88

SPADES

Catalog No.	GSUD
Size	2
Type of Blade	Square Pt.
Blade Size	7x12
Blade Lift	4-1/8"
Handle Lift	11½"
Handle Length and Type	27"—With D
Socket	11"
Weight	Tool 5 lb.
	Handle 2 lb.
Right Repair Handle No.	1005
List Ea.	\$1.88

HAY FORKS

Bent Handled



Union Quality. Three tines, oval. Tines 12" long, spread at points 7¼". Flex-Beam Handle. Tapertite Ferrule.

AB35—5' Handle—Shp. Wt. 3¼ lb., each\$2.15
AB35½—5½' Handle—Shp. Wt. 3¼ lb., each 2.30



Red Hawk Quality. Three oval tines, 12" long, spread at points 7¼". Tapertite Ferrules.

RHAB35—5' Handle—Shp. Wt. 3 lb., each\$1.65
RHAB 35½—5½' Handle—Shp. Wt. 3 lb., each 1.80

SPADING FORKS

Regular Four Tine Pattern



Union Quality. Angular back tines, 11" long, bent handle, long or with steel D. Tapertite Ferrules.

SALD—Light—30" Handle with D. Shp. Wt. 5 lb., ea. ...\$2.10
SAHD—Heavy—30" Handle with D. Shp. Wt. 5 lb., ea. ... 2.30

ENSILAGE OR BARN FORKS

Outside Tines Turned Up



Union Quality. Oval tines. Tapertite Ferrules. 30" handle, bent, with steel D.—Right repair handle No. 170. 16" tines. Width at center 15".

E10—Shp. Wt. 6½ lb., each\$4.15

POTATO HOOKS

Broad Oval Pattern



Union Quality. Four broad oval tines. 4½' handle. Tines 6½" long. Width 5½" at points.

4BOL—Light—Shp. Wt. 2½ lb., each\$1.55

GARDEN RAKES

Round Bows, Curved Teeth



Union Quality. Head ¼" thick, 3¼" deep. 5' straight handle. 14 Teeth, 15" Head.

B14—Shp. Wt. 3¼ lb., each\$1.85

Level Head Curved Teeth



Union Quality. Head 5/16" thick, 3¼" deep. 5½' straight handle. 14

Teeth. 14-3/4" head.
SC14—Shp. Wt. 3¼ lb., each\$1.55

BROOM RAKES



Union Quality. 22 Flat, flexible spring steel teeth, braced. 42" handle. Depth and Width of Head 14" by 19".

BRF22—Shp. Wt. 2 lb., each\$1.55

FARM AND GARDEN IMPLEMENTS

FIELD AND GARDEN HOES

Socket Pattern



Union Quality. 4-1/3' spring pattern handle. Depth and Width of Head 6 1/2" x 4 3/4".

SG6 1/2—Shp. Wt. 2 1/2 lbs. Each\$1.55

SG7—Shp. Wt. 3 lbs. Head 7" x 4 3/4". Each 1.60



Red Hawk Quality. 4' spring pattern handle. Depth and Width of Head 6 1/2" x 4 3/4".

RHSG6 1/2—Shp. Wt. 2 1/2 lbs. Each\$1.15

BLACKLAND OR SOUTHERN MEADOW HOES

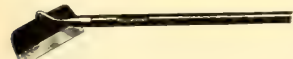
Socket Pattern



Union Quality. 6/16" shank. 5' handle.

SB8—8" x 4" Head—Shp. Wt. 3 lbs. Each\$1.60

SB9—9" x 4" Head—Shp. Wt. 3 lbs. Each 1.65



Red Hawk Quality. 7/16" shank. 5' straight handles.

RHSB8—8" x 4" Head—Shp. Wt. Each\$1.35

RHSB9—9" x 4" Head—Shp. Wt. Each 1.40

WEEDING HOE

Two Pronged Forged Steel

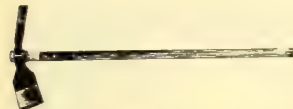


Union Quality. Maximum thickness of blade, 1/4". 4-1/3' spring pattern handle. Depth and Width of Head 3-9/16" x 9-3/8".

2PWF—Shp. Wt. 2 1/2 lbs. Each\$1.45

MATTOCK HOE

Dig Ezy Pattern



Union Quality. Blade and eye forged in one single piece. Depth of head 12-7/8". Round Eye. 4 1/2' handle. Depth and Width of Head 1-3/8" and 3".

MH3—Shp. Wt. 3 lbs. Each\$2.10

FLORAL SHOVEL



Small Tools for work among flowers Union Quality. Blades with round point. 30" bent handle with steel D top. Depth and Width of Head 5-7/8" x 8".

FS—Shp. Wt. 3 lbs. Each\$1.40

SPEEDY LAWN BROOM

A Speedline Lawn Tool



Flat, spring steel teeth. 14" long, adjustable spread 11 1/2" to 20". 4' straight handle. 22 Teeth.

SL14—Shp. Wt. 2 lbs. Each ..\$1.65

SPEEDY CULTIVATOR

A Speedline Garden Tool



Four sharp tines curved to dig in with an easy pulling motion. 4-1/3' spring pattern handle. Working depth of tines 4".

SL5—Shp. Wt. 2 1/2 lbs. Each\$1.70

SPEEDY LEVEL HEAD RAKE

A Speedline Garden Tool



Level head, curved teeth and shank all forged in one single piece. Head 3 1/4" deep. 5' straight handle. 14 Teeth.

SL10—Shp. Wt. 3 lbs. Each\$1.30

SPEEDY SPADING FORK

A Speedline Garden Tool



Tines, head and shank forged in one single piece. Tines, angular back for strength. 4 Tines, 30" bent handle with Steel D top. Tines 11" long.

SL20—Shp. Wt. 5 lbs. Each\$2.10

GRASS TRIMMERS

"Speedy Pattern"



Union Quality. Blades sharpened along both edges, concaved for strength. Overall length of tool, 37". Width and Depth of Blade 1-3/4" x 8 1/2".

USGT—Shp. Wt. 1 lb. Each\$1.00

SPEEDY CULTIVATORS

Curved Oval Tines



Union Quality. Needle-sharp tines forged in one piece with head and shank. Spring pattern handle. Handle length—3SC, 4', 4SC, 4-1/3'.

3SC—3 Tine, 3-1/8" spread. Shp. Wt. 1 3/4 lbs. Each\$1.50

4SC—4 Tine, 5" spread. Shp. Wt. 2 lbs. Each 1.75

TURF EDGERS

With Turned Step



Union Quality. Blades sharpened from ear to ear. Shank pattern. 4' straight handle. Width and Depth of Blade 9" x 4 3/4".

TE—Shp. Wt. 3 lbs. Each\$1.55

DANDELION WEEDERS



Union Quality. V-shaped cutting edge. Plain Ferrules with Copper End. 3 1/2' handles. Width and Depth of Blade 1-3/16" x 2-5/8".

DW—Shp. Wt. 1 1/4 lb. Each\$.60

SHANK NURSERYMEN'S TROWEL

General Purpose



Union Quality. Sharpened all 'round. Offset shank. 6" handle. Blade 3" x 6".

NT6—Shp. Wt. 1 lb. Each\$.75

TRANSPLANTING TROWEL

Slender, Curved



Union Quality. Sharpened all 'round. Offset shank 6" handle. 1 3/4" x 6 1/4" Blade.

TT—Shp. Wt. 1/2 lb. Each\$.70

HAND TOOLS

Baby Warren Hoes

Drill Furrows, Cultivate,
Hill and Weed



Union Quality. Tempered
Blades sharpened from ear to ear. Shaped
handle 6" long.

No. BW—4½" Blade, ea.\$1.00

Speedy Hand Weeder



Union Quality. Oil tempered tines, round,
sharp and curved. Shaped handle 6" long.

No. SHW—3 Tines, ea. 85c

Hand Garden Spade



Union Quality. Flat, tempered tines.
Shaped handle 6" long.

No. 3HGS—3 Tines, ea.95c

DUSTERS—SPRAYERS

Lowell Roto Blast (Hand Duster)



It's new, different and better. For farm, garden, business and
home. New principle of air control gives an even dust pickup.
Permanent lubricated rubber cup plunger.
Center discharge means easier operation. Nozzle swivels to any
position. Saves money by eliminating waste of insecticide.

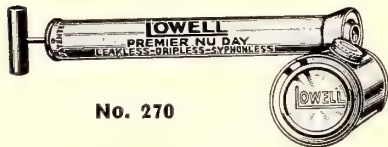
No. 765—Shp. Wt. 1-2/3 lb., ea.\$1.50

Lowell Warrior (Hand Duster)



A good duster for use around the home, garden barn, poultry
house, etc. Powder compartment 4 inches diameter and 4½ in-
ches long. Filler Cap large for easy filling. A strainer in the
compartment prevents clogging. Special valve prevents powder
from blowing back into pump cylinder. Adjustable for dusting
either up or down. Two 12 inch extensions. One straight nar-
row nozzle, and one wide-faced angle nozzle permit covering
large areas and reaching under leaves.

No. 465—Shp. Wt. 1½ lb., ea.\$1.10



No. 270

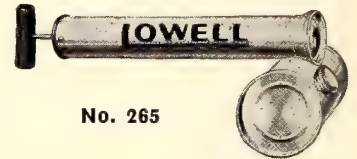
Lowell Vaporizers — 2 Sizes

PREMIER

One quart capacity. Pump 1½ inches in diameter, 12 inches
long. Heavy plunger rod with treated leather. Made of heavy
tin. Ideal for home use.

No. 270—Shp. Wt. 1½ lb., ea.60c

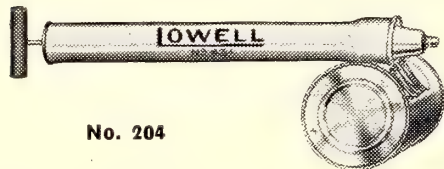
NU-DAY



No. 265

One pint capacity. Pump 1½ inches in diameter, 10 inches long.
Heavy plunger rod with treated leather. Does not leak. Is neat
in appearance.

No. 265—Shp. Wt. 1 lb., ea.50c



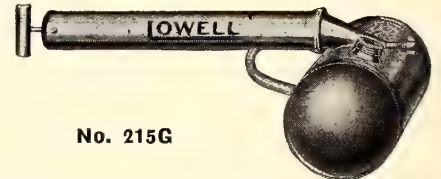
No. 204

Lowell Continuous Sprayers 2 Sizes

ENVOY

Continuous operation and uniform discharge; one quart capacity.
Pump 1½ inches diameter, 13 inches long. Heavy plunger rod
with treated leather; brass supply tube and nozzle can be re-
moved for cleaning.

No. 204—Shp. Wt. 2 lbs., ea.90c

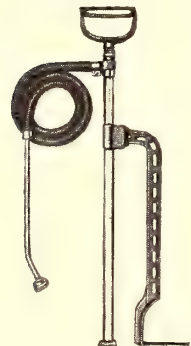


No. 215G

CHALLENGER

The Challenger is a large capacity sprayer designed for dairy
barns, hog pens, chicken houses, etc. Heavy galvanized con-
tainer, about 3 quart capacity. Pump 1½ inches in diameter, 14
inches long. Reinforced by combination support and hand grip.
Heavy plunger rod with treated leather. Adjustable brass nozzle
for coarse or fine spray.

No. 215G—Shp. Wt. 3 lbs., ea.\$1.55



Lowell Bucket Pump

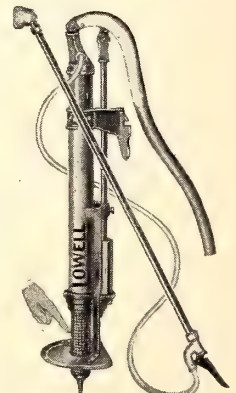
A general service pump for orchards,
berry patches and emergency fire
service. Pump cylinder 1-3/32" di-
ameter, 19" long. Made of seamless
brass. Develops 150 lbs. pressure.
Double acting, continuous discharge.
Equipped with heavy duty, high
pressure hose 3/8" dia. 36" long. 2
ft. brass extension with disc type
all purpose nozzle.

No. 722—Shp. Wt. 5 lbs., a. \$6.10

Lowell Chief Barrel Pump

A high pressure barrel sprayer for orchards and
large fields of crops, such as potatoes and cotton.
Also for disinfecting, exterminating and cold wa-
ter purposes. Easily attached to any barrel. Pump
cylinder 1-3/4" dia., 6" long. Seamless brass air
chamber 2" in dia., 27" long. Develops 200 pounds
pressure. Dasher type agitator operates with each
stroke of pump and cleans the screen. Equipped
with high-pressure 3/8" hose, 10 ft. long. All brass
shut-off valve can be locked open for continuous
spraying. 3 ft. iron pipe extension. All brass angle
nozzle.

No. 704A—Shp. Wt. 30 lbs., ea.\$16.55



SEE PAGE 36 FOR ORTHO INSECTICIDES AND
FUNGICIDES

SEE PAGE 34 FOR ACME SPRAY MATERIALS

COMPRESSED AIR—FLAME and WHEELBARROW SPRAYERS



Lowell Streamer

The Streamer combines strength, safety and efficient performance. Handles insecticides, disinfectants, fungicides, whitewash and cold water paints. Adapted for all compressed air sprayer uses around gardens, homes, barns, and other buildings. 3-3/4 gal. capacity, galvanized tank. Large opening for quick filling and easy cleaning. Seamless brass pump, locks securely to top of tank, easily removed. Furnished with 24" high pressure hose, 24" brass extension, carrying strap, spray nozzle, all brass shut-off valve that can be locked open for continuous spraying.

No. 94G—(illustrated) Shp. Wt. 10 lbs., each\$7.75

Lowell Pennant

The Pennant presents the best in compressed air sprayers. It has large capacity, superior construction and safety features that make it a real "pennant" winner. Ideal for truck gardens, orchards, dairy barns, hog pens or chicken houses. 4 gal. capacity, galvanized tank. Easily cleaned and filled. Seamless brass pump locks securely to top of tank, easily removed. Furnished with 27" pressure hose, 24" brass extension, brass nozzle, carrying strap and an all brass shut-off valve that can be locked open for continuous spraying.

No. 46G—Shp. Wt. 13½ lbs., each\$9.50

Lowell Junior

The Junior is especially adapted for backyard gardeners, and the flower fancier. It has all of the advantages of the larger compressed air sprayers. Nu-Top provides quick easy cleaning and filling. Women and children like its light weight, its high pressure and sturdy, safe construction. 2½ gal. capacity galvanized tank. Seamless brass pump, locks securely to top of tank—easily removed. Furnished with 24" hose, 24" brass extension, carrying strap, spray nozzle, and an all brass shut-off valve that can be locked open for continuous spraying. Similar to 94G but with smaller tank.

No. 26G—Shp. Wt. 9 lbs., each\$7.50

Lowell Flame Sprayer

Weed Burner

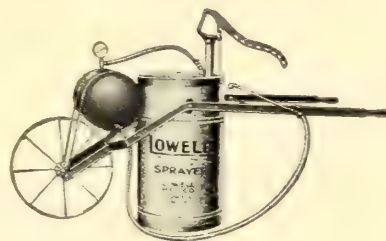
For Weed Control—burning of Rubbish, Garbage, Refuse, and Stumps—disinfecting Poultry Houses, Kennels, Barns, etc. 3¾ gallon galvanized tank—diameter 7¼ inches—height 21 inches. Seamless brass pump 1¾ inch diameter, 14 inches long. Burner develops 2,000 degrees 12 inch flat flame. Uses approximately 1 gallon per hour of Kerosene, 32-42 degree gravity, distillate, or stove oil. Coil is securely welded to base, insuring positive alignment of jet through coil.



Special high pressure oil resistant hose. Needle valve regulates flow of liquid and air; 60 lb. air pressure gauge mounted conveniently on handle; web carrying strap.

No. 20—Shp. Wt. 22 lbs.,\$18.75

Lowell Monarch



(with Pressure Tank)

The Monarch is very efficient and serviceable for use in the orchard, vineyard, truck garden, park, private estate, dairy barn, poultry house, etc. May be used with any insecticide, whitewash, cold water paint, etc. Non-clogging intake strainer and agitator will handle heaviest of solutions successfully. Easy to fill, empty or clean. High pressure, large capacity and easy portability adapt it for all jobs.

18 gal. heavy galvanized tank. Steel frame reinforced with cross braces; 18 inch wheel with 2½ inch steel tire. Pump with dasher type agitator develops 200 lbs. pressure. Steel air pressure tank with 200 lb. pressure gauge, to assist in keeping uniform spraying pressure. Tank securely fastened to frame.

Furnished with 10 ft. 3/8 inch hose, 3 ft. iron pipe extension, angle spray nozzle, and an all brass shut-off valve which can be locked open for continuous spraying.

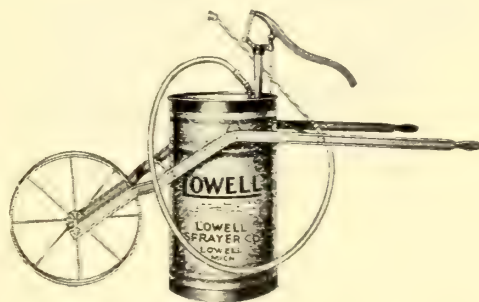
No. 735 (with Pressure Tank) Shp. Wt. 85 lbs., each\$41.39

Lowell Monarch

The No. 734 Monarch is essentially the same as the No. 735 with the exception it does not have the pressure tank.

No. 734—Shp. Wt. 70 lbs., each\$27.00

Lowell Radiant



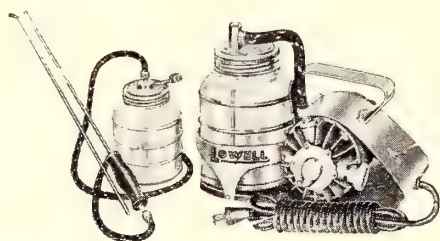
The Radiant was designed for use in small places. It's short, compact construction permits its use in narrow greenhouse rows and close quarters. Adapted for spraying small orchards, truck gardens, berry bushes, etc.; for whitewashing and disinfecting poultry houses, dairy barns, etc.; Spraying stock-dips and poultry remedies, treating ornamental shrubbery, flowers and lawns. Its high pressure and easy portability adapt it for work of all kinds.

12½ gal. heavy galvanized tank. Steel frame, well-braced; 16 inch wheel with 2 inch steel tire. Pump develops 150 lbs. pressure. Furnished with 6 ft. hose, 3 ft. brass extension, angle spray nozzle, and an all brass shut-off which can be locked open for continuous spraying.

No. 736—Shp. Wt. 40 lbs., each\$17.95

POWER SPRAYERS

Lowell "Thoro-Spray" Insecticide Sprayer



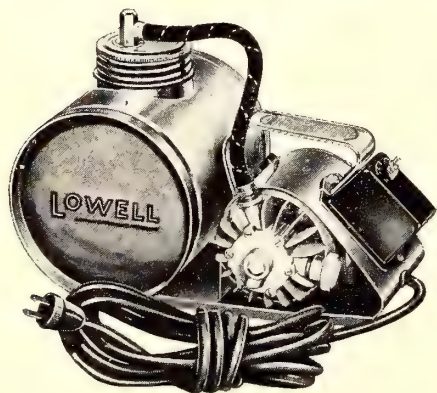
Kill insects, Disinfect, Deodorize — A useful, versatile appliance for your home!

An extremely useful and versatile appliance for all types of uses both in the home and commercially. Uses any good liquid insecticide, disinfectant or deodorant, dispensing it in such fine particles that every nook, crack and cranny is penetrated. Powered by a dependable 110-120 volt electric universal motor (AC-DC) with built in compressor which develops 22 pounds of free air. Includes 10 foot rubber covered cord with molded rubber plug. Nickel plated combination sprayheads and frames. Big 24 ounce jar holds adequate supply. Light weight and portable, it weighs only 8 pounds. Dusting attachment instantly converts models 301, 309 or 305 into an efficient insecticide duster. Used for control of insects that are best controlled by powder insecticides. Has special nozzle which may be used only with powder—plus short extension for reaching into cracks and crevices. Sprayhead threaded to fit 24 oz. glass container or pint Mason jars.

No. 301—Insecticide Sprayer. Shp. Wt. 8 lb. Each\$36.35

No. 330—Duster Attachment. Shp. Wt. 3 lbs. Each 6.05

Lowell "Thoro-Spray" Dairy Sprayer



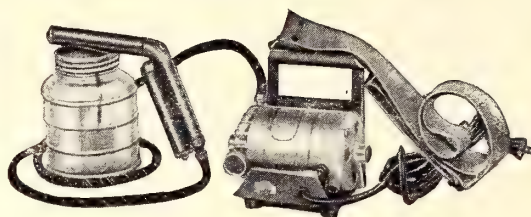
Kills insects, quicker, easier and better!

Dairy Plants find the LOWELL THORO-SPRAY a valued "tool".

A heavy duty insecticide sprayer especially designed for dairy and ice cream plants, dairy barns, milk stations, milk houses, cheese factories, hospitals, public buildings and other commercial institutions where large capacity insect-killing is necessary. Special 3 quart galvanized tank holds adequate supply for several hours average use. Its 110-120 Volt (AC-DC) universal electric motor with built in compressor develops 22 pounds free air. Unit includes a 10 foot rubber-covered cord with molded rubber plug. Metal tank eliminates fear of glass breakage. Nickel plated and sprayhead.

No. 309—Thoro-Spray Dairy Sprayer. Shp. Wt. 10 lb. Ea. \$38.70

Lowell No. 305 Paint Sprayer



The electric sprayer that makes good painting Easy . . . Quick . . . Sure.

Every attractive home needs a LOWELL THORO-SPRAY ELECTRIC PAINT SPRAYER!

Painting can now be done in much less time and with much better results. Use for porch, wicker and unfinished furniture, radiators, venetian blinds, auto body and fender work; for applying protective oils to agricultural equipment; for spraying steel sheets in warehouses. Handles paint, varnish, enamel, lacquer and stain efficiently.

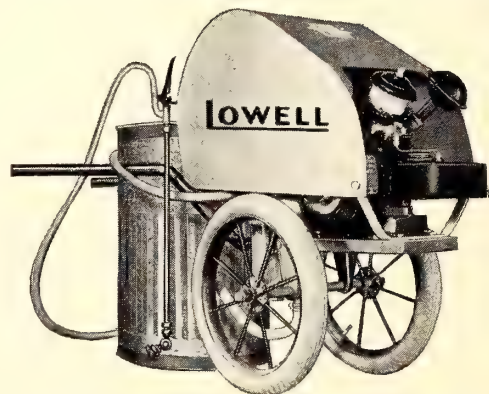
Powered by efficient 110-120 volt (AC-DC) universal electric motor. Built-in compressor develops 22 pounds of free air. Extra long rubber covered cord with molded rubber plug. Adjustable shoulder strap for ease in carrying and portability. Equipped with an extra fine spray nozzle which attaches to the pistol grip handle. Spray nozzle is threaded for 24 oz. glass container or pint Mason jar.

No. 305—Paint Sprayer. Shp. Wt. Each\$36.65

Nozzles

Number	Description	Price Each
176	Shut Off Valve and Nozzle (can be locked open for continuous discharge	\$1.50
161	Shut-off Lift	
168	Nozzle	1.10
166	Straight Fog Nozzle .....	.50
168	Angle Fog Nozzle .....	.50
71	Bordeaux Nozzle	1.00

Lowell Cyclone (Power Operated)



Tubular steel frame. Twin wheels 16 inches in diameter with 2 inch rubber tires. 18 gallon corrugated galvanized steel tank. Pump with brass lined cylinder, and adjustable relief valve. Operates at 200 lbs. pressure. 1½ H. P. gasoline engine. Hood over working parts is easily removed. Compact; width 18 inches, length 58 inches.

Furnished with 10 ft. of 3/8 inch hose; 24 inch brass extension, adjustable nozzle, and an all brass shut-off which can be locked open for continuous spraying.

No. 644—Cyclone Sprayer. Shp. Wt. 153 lbs. Each\$145.50

HOUSEHOLD PEST CONTROL

Cederene Products



Cederene Household Spray — It's fast, sure, safe. 100% active ingredients. Cederene Household spray kills and repels ants, fleas, flies, mites, roaches, bedbugs, ticks and silverfish.

1 pt. Bottle, Wt. 1½ lbs. \$.40
1 qt. Bottle, Wt. 2½ lbs.65
1 gal. Bottle, Wt. 10 lbs. 1.85

Kay-O-Dusting Powder — positively kills ants, all types roaches, bedbugs and silverfish.

2½ oz. Shaker Box \$.40
5½ oz. Shaker Box75

Pet's Pal—A superlative killing agent for lice, fleas, ticks. While it's action is effective and quick on dogs and cats, it is mild enough for use on birds and other delicate pets.

3 oz. Fibre Can \$.35

End-O-Rat — Safe to use around home, pets, animals. High grade red squill in liquid form to mix with fresh bait. Very effective.

1 oz. Bottle \$.45

Cederene Super Commercial—Kills right now. The last word in insecticides for use in hand, air, power or electric sprayers. Good for use in home, stores, restaurants, hotels, theaters, dairy plants, etc.

1 gal. \$6.00

DuPont 5% D.D.T. Insect

A residual spray that kills long after the liquid has evaporated. Especially designed for household use. Controls flies, mosquitoes, moths, ants, bedbugs, cockroaches, fleas, carpet beetles, silverfish, gnats and ticks.

Pints 38c Quarts 69c
Gallons \$2.50



Antrol Ant Killers

KILL ANTS IN THEIR NESTS

Antrol Ready Filled Sets consist of small glass containers from which

worker ants carry special Antrol Syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief.

Antrol Ready Filled Set, containing four Filled Feeders, wt. 1 lb. 39c
Antrol Syrup for refilling, 4 oz. bottle 20c
Regular Set, 4 containers and 4 oz. Syrup 59c

\$1000 Guaranteed Killers



\$1000 Roach Killer protects against water bugs, roaches, and black beetles. Odorless and clean.

4 oz. \$.35
9 oz.65
20 oz. 1.25

\$1000 Guaranteed Ant-Bane—Guaranteed to rid buildings of ants when used according to directions.

4 oz. \$.35
9 oz.65



\$1000 Bed Bug Killer — A liquid that can be sprayed freely over the bed and over the room without injuring wall paper, pictures or fine textiles.

Pint Can \$.35
Quart Can65

\$1000 Flea Killer — Kills fleas on dogs and in kennels, barns or other places.

Pint \$.50



\$1000 Fly Killer — Clean, agreeable odor which quickly evaporates, leaving no stains.

Pint \$.50
Quart90

\$1000 Moth Killer —A destroyer of moths, their eggs and the larvae.

Pint \$.65
Quart 1.00



\$1000 Rat and Mouse Killer — This poison creates a burning thirst in the rodents so they rush to water and generally die outside.

4 oz. Tube \$.35

Antrol Ant Traps

Contain two kinds of specially prepared bait.

Each 15c
Antrol Killers kill both sweets and grease eating ants.

Can Be used Inside or Outside the House

SAFE TO USE AROUND CHILDREN AND PETS



Rat-Scent

Is a poisoned grain. Its odor attracts rats. They eat it greedily, soon begin to feel suffocated, and run toward fresh air until they drop, without realizing what is poisoning them. Rat-Scent is harmless to chickens. Dogs and cats are not attracted to it because it is a whole grain.

7 oz. 35c—13 oz. 50c—5 Lbs. \$2.00—

Postpaid

Kazoo Rat-Brew

To kill lots of rats, plan to out-smart them. Pre-baiting merely gains their confidence by serving them something they like, over a number of days, then switching to a poison that tastes and smells the same. It's as simple as that.

Rats are smart. Suspicious of everything new. Pre-bait with Kazoo Pre-Bait Extract, a sweet tasting solution with an odor very pleasing and attractive to rats. A two ounce bottle will flavor a gallon of water to taste and smell like Kazoo Rat-Brew. After gaining their confidence by several days use of the extract switch to Kazoo Rat-Brew. Results will astound you.

Rat-Brew, 2 oz. \$.25
Rat-Brew, 6 oz.50
Rat-Brew, 16 oz. 1.00
Pre-Bait, 2 oz.25

F.O.B. Dallas

Mouse-Nots

Destroy Mice—Spread in the places mice frequent.

Mouse-Nots are impregnated seeds . . . clean, sanitary, simple to use. Mice nibble . . . find them fatal. No traps to set; no bait to mix. Results guaranteed.

Household Size 25c

Rat-Nots Kills Rats

A non-poisonous bait, relatively harmless to humans and domestic animals, but fatal to rats. Contains **Genuine Red Squill**. Prepared form—**No Mixing—No Muss or Fuss**.

Household size 25c

Roach Nots

A prepared powdered bait, quick and effective. Roach Nots "Lays them on their backs". "Their last meal."

Each \$.25

HOUSEHOLD SUPPLIES



Model 5000

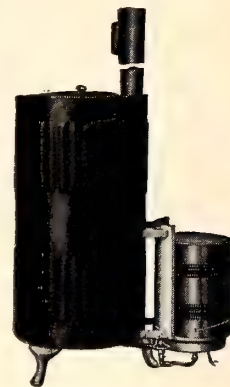
resisting enamel enlivened with an expertly applied tracery of golden yellow.

Safeway OIL HEATERS Offer Real Heating Comfort

Safeway Cabinets are not another line of high priced heaters. They are headline news in oil heater values. From the gleaming cabinet to the massive heat unit inside, Safeway Cabinet Heaters are tops for style and quality. They are precision equipment to deliver uniformly long and dependable service. Safeway Cabinets are finished in a beautiful dark brown heat

Safeway Radiant Heaters are today's Super Value—two oil burning heaters that give much in performance for little in price. Safeway Radiants offer a convenient and capable heating service that best meets the need of thousands.

Both radiant models are baffled to pocket heat and prevent undue loss. Automatic draft adjuster and high quality control valve are standard equipment. Only pipe needed to install. Safeway Radiants have no frills. As easy to use as a lantern.



A9-13

SAFeway HEATERS ARE BIG

	3250	5000
Depth, including tank	26"	30 1/2"
Height	36"	41"
Width	20"	25-3/8"
Fuel Consumption { low	.84 gal.	1.26 gal.
24 hours { high	8.52 gal.	12.5 gal.
B. T. U. Output per hour	33,000	50,000
Standard Flue Outlet 6"; Fuel Tank Capacity 5 Gal.; Carries fuel level gauge.		
No. 3250 Cabinet, Shp. Wt. 90 lbs., each	\$51.00	
No. 5000 Cabinet, Shp. Wt. 120 lbs., each	66.50	

	A1-10	A9-13
Height	31 3/4"	36 1/4"
Diameter Drum	12"	18"
Depth including Tank	23"	29"
Fuel Consumption { low	1 gal.	1 gal.
24 hours { high	8 gal.	8 gal.
B. T. U. Output per hour. Approx	16,000	24,000
Flue Outlet 5"; Fuel Tank capacity		
No. A1-10—Shp. Wt. 30 lbs., each	\$18.88	
No. A9-13—Shp. Wt. 44 lbs., each	23.25	

Sylvania's R-40 Infra-red Heat Lamp

Handy Heat for Handling Scores of Chores— Will thaw out frozen pipes, quickly defrost your refrigerator, de-flea your dog, warm up a cold motor, dry fingernail polish or hair fast, relieve pain, dry your photographic films and prints in a hurry, loosen old putty and paint, keep your chickens and pigs warm, speedily dry a freshly glued joint, a coat of wet paint, or a plaster patch, and heat up your kitchen and bathroom in a jiffy.

Tax Exempt, each\$1.25

Sylvania Light Bulbs

For your convenience, we list below the most called for sizes in light globes. We do, however, carry in stock a complete line of both incandescent and fluorescent bulbs. Let us supply your requirements.

Watt	Volt	Description	Ea.	Tax
25	110	Inside Frosted	.11	.01
40	110	Inside Frosted	.11	.01
60	110	Inside Frosted	.11	.01
100	110	Inside-Frosted	.15	.02
150	110	Inside Frosted	.20	.02
200	110	Inside Frosted	.27	.03
300	110	Inside Frosted	.50	.04
100-300	110	Three Way	.55	.04

New Sylvania Handy 5-Pack

Buy Bulbs Like Eggs

**Handy, Safe to Buy! Handy, Safe to Store!
Handy, Safe to Carry! Handy, Safe to Use!**

Easiest way to buy light bulbs. The carton holds five bulbs of 25, 40 or 60 watt size. Costs no more than the price of the bulbs, yet safely packed in a handy, storable carton.

See Above List for Prices of Bulbs

Please be sure to remit for tax.

Wrought Iron Flower Pot Hanger



This "ivy leaf" pot hanger is designed to complement your home. Comes in pairs with a right and left design. 11" high, 4 1/2" wide. Pair complete with pots,

Wt. 4 lbs.	\$1.95
1 only complete with pot,	
Wt. 2 lbs.	1.00

Vaculator

ONLY
VACULATOR
offers these
features



- The "Dutch" Filter at no extra cost!
 - An Insurance Policy GUARANTEEING the world's Finest Cup of Coffee!
 - Made of and Branded PYREX Glass!
- V612**—12 cup Vaculator with Dutch Filter, each 5.45
- V68**—Deluxe 4 to 8 cup Vaculator with Dutch Filter. Has pouring lid on lower glass and top lid useable for stand when top not in use. Each \$4.45
- V44**—2 to 4 cup Vaculator with Dutch Filter. Each 3.45

Replacement Parts

VF —Dutch clothless filter made of china, simple, efficient. Fits most glass coffee makers. Each	50c
VC —Filter Cloths (10 to pkg.)	25c
	For V612 For V68 For V44
Lower Glass	2.00 1.50 1.50
Upper Glass	2.30 1.80 1.80
Rubber Bushing	.35 .35 .35

FURNITURE—for better Living—Art Iron by Potter



BAR-B-CUE CHICKEN—HAM RIBS

Texas' Favorite Hospitable Gesture

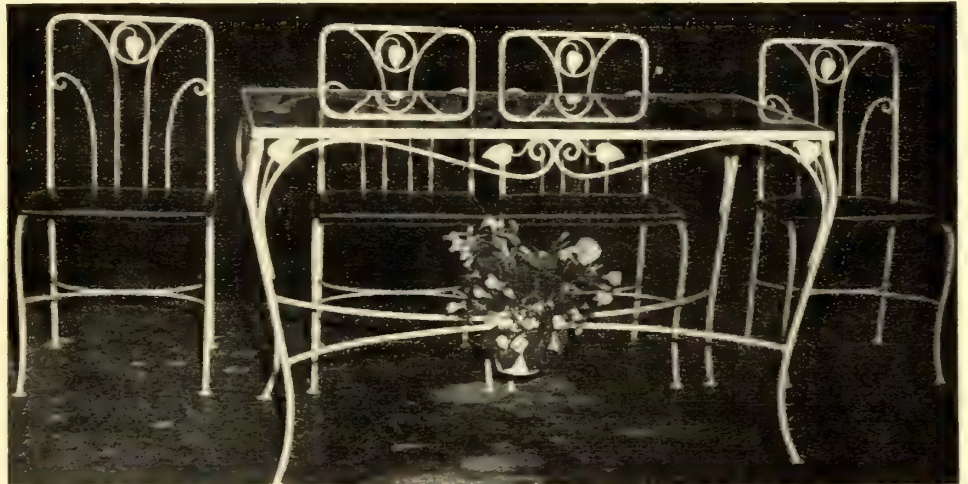
For the terrace or Out Door Living Room a Barbecue Set that is as practical as it is attractive. The steel pit may be fired either with charcoal or wood—the top tray is of aluminum and lifts right off the frame. The bottom shelf is of sturdy steel to hold the "Fixin's". The whole is mounted on wheels with a convenient handle for moving in, out or about. The finish is Verde Green that'll take the weather. Note the masculine beauty of design. It's a set any man will be proud to own.

Shp. Wt. 90 lbs., each **\$49.50**

To make eating a pleasure in the Breakfast Room, Dinette, Terrace, Lawn or Porch use one of our wrought iron Table and Chair Sets.

Unexcelled strength and rigidity, yet the very simplicity of design, with graceful lines, make it a joy to look at.

Table and four chairs. Table 28 inches by 48 inches. Glass top with center support. White enamel. Durable finish.



TERRACE SET

DE LUXE SET



Jardiniere for cut flowers, potted plants or ivy. Chair seats padded and covered with washable leatherette. Seat removable. Table and chair feet "fitted" with gliders to make moving easy and preserve floors. Specifications applicable to both sets. The Deluxe Set combines utility with grace in decoration.

Terrace Set,
Wt. 177 lbs., ea. **\$64.98**

DeLuxe Set,
Wt. 185 lbs., ea. .. **\$123.49**

FARM EQUIPMENT

Gehl "Grind All" Hammer Mills



"We guarantee that Gehl Mills when properly operated will grind more uniformly and in greater capacity per horse power than any other hammer mill." This guarantee of the Gehl Manufacturing Company is substantiated by the reception and sincere recommendation we have from those who have brought Gehl Mills during the past several years. These mills are built for years of service: Practically all steel construction. Tough boiler plate steel grinding chamber securely riveted and braced—steel blower housing — galvanized

steel pipe and dust collector, with double bagger. Heavy alloy steel main shaft mounted in heavy duty ball bearings. Thin swinging hammers that can be turned to use all four corners. Gehl cutter-heads fully double the grinding capacity on hay or bundle feed. Write for special Gehl folder.

Extra Screens
1/8" and Larger **\$3.33**
3/32" and Smaller **6.05**
(Same as for 41)
1/8" and Larger **4.54**
3/32" and Smaller **6.66**

No.	Style	Width of Screen	No. of Screens Furnished	No. Hammers	Ship Wt.	Price
41	Plain Mill	10"	2	42	560 lbs.	\$138.65
41C	Combination Mill	10"	3	42	1030 lbs.	298.13
45	Plain Mill	14½"	2	66	750 lbs.	213.25
45C	Combination Mill	14½"	3	66	1300 lbs.	435.30

Reliable Electric Cabinet Incubators

Genuine California Redwood cabinets, will not warp when subjected to heat, cold or moisture. Walls are insulated by means of a dead air space, sealed with heavy impregnated building paper. Doors are well fitted. Ventilators with adjustable slides are placed on front and back of cabinet.

Twin doors on top of cabinet give easy access to operating equipment. The redwood trays have a perforated metal bottom and a turning device that turns all the eggs in the tray.

The Reliable Automatic Micro Switch Regulator is adjusted by means of a thumb screw on outside of front panel. Heaters are of the coil type element. The humidifier consists of moisture pan located in top compartment. Each incubator comes equipped with thermometer and a wet bulb hygrometer.

The sealed motor, and a fan operates on 110-115 volts. A plate on front panel contains the power switch, service receptacle and pilot lamp.

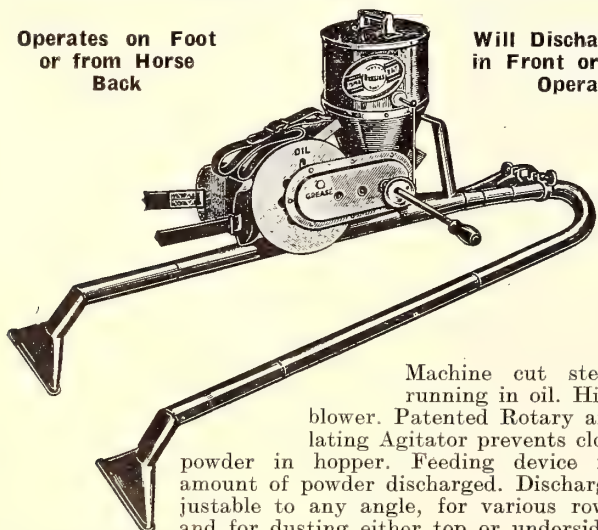
	Capacity	Trays	Fan	Watts	Dimensions	Wt.	Price
170	400 eggs	4	8 in.	150	23x38½x32 in.	165	\$ 86.90
171	600 eggs	6	8 in.	250	23x38½x38½ in.	190	100.10
172	1200 eggs	8	10 in.	350	23x47½x45½ in.	260	146.30
173	2100 eggs	14	10 in.	400	23x47½x66½ in.	355	213.40

Dobbins Crank Duster

FOR DUSTING COTTON AND ALL LOW GROWING CROPS

Operates on Foot
or from Horse
Back

Will Discharge Dust
in Front or Rear of
Operator



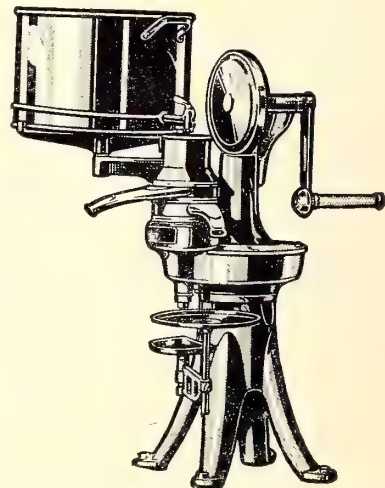
Machine cut steel gears running in oil. High speed blower. Patented Rotary and Oscillating Agitator prevents clogging of powder in hopper. Feeding device regulates amount of powder discharged. Discharge is adjustable to any angle, for various row widths and for dusting either top or underside of foliage. Capacity 5 to 10 lbs., depending on powder used.

No. 200 as illustrated Wt. 15 lbs., ea. **\$17.70**

American Cream Separators

"E-Z" CHALLENGER
(Floor Model as
Illustrated)

Closer Skimming—Easier Cleaning — Longer Life—Easier Turning—Enclosed gears—41" from floor to top of tank — Turntable feature allows you to swing the tank around — Height of crank is just right—Both the cream and milk spouts are adjustable. Any CHALLENGER can be equipped with an electric power attachment.



THE SKIMMASTER
(Bench Model)

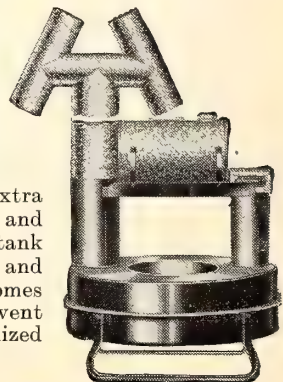
The Skimmaster gets all of the cream, it is easy to clean and easy to turn.

The No. 3S has a turntable feature for the supply tank. On the No. 2S the supply tank is mounted directly over the regulation cover.

No.	Model	Capacity	Ship. Wt.	Dallas F.O.B.
2S	Bench	200 lbs.	58 lbs.	\$43.50
3S	Bench	300 lbs.	67 lbs.	54.50
40	Stand	400 lbs.	155 lbs.	93.75
50	Stand	500 lbs.	156 lbs.	98.30

McKomb Tank Heater

A big heater, die drawn of 16 and 18 gauge steel, diameter 23½", depth 7". All seams and joints welded then air tested for leaks. Under water parts are rustproofed. The 11 inch tube through the center means extra radiation, fast water circulation, and easier sinking. The nine quart oil tank has an exclusive constant flow device and precision built brass control valve. Comes complete with London Cap to prevent blowing out, and 6 feet of galvanized pipe.



A8-6 Tank Heater. Wt. **\$16.90**

FARM EQUIPMENT



Cyclone Seed Sower

For Clovers, Alfalfa, Grasses, Oats, Wheat or any other seed that is sown broadcast. The "Cyclone" will sow many acres per hour, any amount to the acre, with a uniform flow of seed. Throws equal amounts to equal distances on each side of the operator. Directions and feed adjustment scale with each sower. Each \$3.50

COMBINATION FERTILIZER AND SEED SOWER

This machine was designed for broadcasting the granular or pellet type of commercial fertilizer. It is also highly satisfactory for sowing all kinds of seeds. Each \$4.50

Tehr-Greeze

A fabric cement for patching, mending and repairing Seed Bags, Burlap Bags, Clothing, Tents, Awnings, Sporting Goods, any type of Canvas, such as tarpaulins, binder canvas, etc. and paper and leather goods.

2 Oz., ea. 25c 16 Oz., ea. \$1.00
6 Oz., ea. 50c 32 Oz., ea. 1.85

Sootrid

Soot remover and Chimney Cleaner (contains zinc). Non-inflammable and non-explosive. Saves fuel, heat and labor. Removes soot from chimneys, stove pipes, boiler flues, fireplaces, stoves, oil burning heaters and brooder stoves, gas burners, rotary type burners and circulating heaters. Regular use prevents chimney fires. The harmless vapors from this powered product penetrates soot and carbon and quickly dispenses them. Sootrid is the modern product to clean chimneys, furnaces, flues and fireplaces.

12 Oz., ea. 25c 3 Lb., ea. 90c

Rustrid

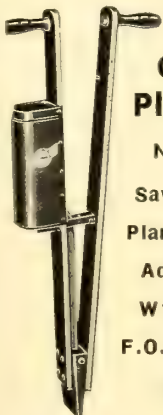
A fast penetrating rust solvent 12 to 15 times faster than Penetrating Oil. Easy to use, no mixing. Just apply. Whether the metal be Aluminum, Iron, Steel, Brass, Copper, Lead or any alloy or metal, the chemical combustion of Rustrid Penetrating Rust Solvent and the oxides (rust) of these metals quickly forms a metal stearate (thus turning the rust into grease). Practical for Harness Shops, Hardware, Railroads, Feed and Flour Mills, Hatcheries, Farmers, Household uses and all implements subject to rust.

2 Oz., ea. 25c 6 Oz., ea. 50c
16 Oz. \$1.00



Master Rapid Plant Setter

For transplanting all kinds of plants. Saves backbreaking labor. Increases yield, cuts planting time to 1/3. Plants and waters in one operation. The handle is 31 inches from the ground enabling the average man to operate easily without stooping. Sets the plant straight and packs evenly. Each \$5.75



Corn Planter

No. 306
Saves Time
Plants evenly
Adjustable
Wt. 5 Lbs.
F.O.B. Dallas
\$1.65

BIG BEAM LANTERNS

NO. 700A BIG BEAM LAMP

The No. 700A Big Beam Lamp operates on 4 standard No. 6 Dry Cells and is equipped with an auxiliary bulb that may be used when the brilliant light from the main bulb is not needed.

700A with batteries	\$19.15
700A less batteries	17.15
No. 6 Dry Cell Batteries .....	.50
750 Snap-on-lens	3.30
720 Wire Guard	1.30
515 Shoulder Strap	2.80
760 Main Bulb, 4½ Volt .....	.70
755 Auxiliary Bulb .....	.14
730 Flood Lens	1.50
729 Clear Lens	1.05
725 Hold Down Bracket	3.50



NEW NO. 211 BIG BEAM LAMP

Very similar in appearance to the 700A Big Beam, but smaller, operating on 2 cells. Throws a beam 1500 feet. Easy to carry. Unexcelled for camping, hunting—all sports and outdoor uses. Weatherproof and rustproof.

211 Lamp, less batteries	\$12.60
211 Lamp, with batteries	14.00
V-4-F Batteries, 6 Volt (2 required) .....	.70
225 Hold Down Brackets	2.00
229 Clear Lens .....	.60
215 Carrying Strap	1.00
220 Wire Guard .....	.75
250 Snap-on-lens (Red, Green, Flood)	1.50
260 Main Bulb .....	.45
255 Small or Auxiliary Bulb .....	.15

NO. 411 BIG BEAM LAMP

The No. 411 Big Beam provides a brilliant beam that gives daylight visibility for any night job or emergency—will project a beam in an excess of 2500 feet. For close-up work an interchangeable lens (No. 5500) diffuses the same volume of light over a wider area. Lamp head can be turned in any direction. Equipped with rechargeable heavy duty storage battery.

No. 1280 Big Beam Charger can be plugged into electric outlet for charging battery.

411 with battery	\$37.30
1280 Big Beam Charger	13.95
515 Shoulder Strap	2.80
525 15 Ft. Extension, 25 W. Bulb, Bulb Guard and Adapter	3.05
550 Snap-on-lens	3.35
520 Wire Guard	1.30
900 Main Bulb, 6 Volt .....	.66
955 Auxiliary Bulb, 6 Volt .....	.14



Electric Lanterns

The No. 600 Ranger Lanterns (brake-man's type) projects a beam for a distance of approximately 1500 feet.

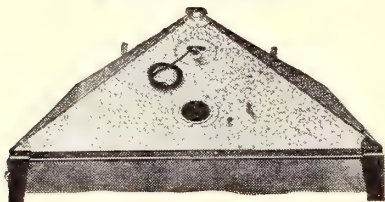
The No. 400 Duo Ray Lanterns (same type as No. 600) has in addition, lens on one end of lantern that diffuses the light over a wider area. Both equipped with adjustable stands and handle. Operate on a standard 6 volt dry cell battery and are furnished with or without battery.

No. 600 Complete	\$3.45	Less Battery	\$2.75
No. 400 Complete	3.95	Less Battery	3.25
V-4-F 6 Volt Battery, ea.	70c		



POULTRY EQUIPMENT BY MAKOMB

Elect-O-Stat

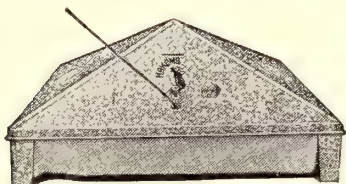


The Elect-O-Stat has the sturdy simplicity that results from competent engineering. The square canopy offers less surface for heat to escape from, contains less cubical content of air to be heated and is insulated with Masonite, plus dead air space. Elect-O-Stat's (draws 17 watts) forced circulation fan prevents pocketing of heat in canopy top, puts more heat into actual use on the floor where chicks are. Stops cold air from coming in under curtain. Equipped with 800 watt porcelain insulated heat element, with Pilot and Toll Lights, durable Curtains, unbreakable Observation Window, adjustable Legs, heavy 7 ft. Lead Cord, Thermometer. Repair Parts available.

C9-52—52" sq. 385 chick capacity, ship. wt. 66 lbs., .. ea. **\$35.00**

C9-90—60" sq. 515 chick capacity, ship. wt. 85 lbs. ea. **39.35**

Jr. Elect-O-Stat



These brooders, especially designed for the smaller flocks are similar to the Elect-O-Stat. Masonite insulation is above aluminized reflecting inner ceiling. Natural circulation (fan not used) controlled with a d j u s t a b l e ventilators. Thermostatic Switches, Pilot-toll Lights, heavy, durable Curtains, Lead Cords, Thermometers; C1-46 is equipped with heat difusor. Here is modern electric brooding at a price you can afford.

C1-35—38" sq., 200 chick capacity, ship. wt. 26 lbs. ... ea. **\$13.20**

C1-46—46" sq., 300 chick capacity, ship. wt. 37 lbs. ea. **17.75**



Round Electric

A big, one piece steel

cone carries Masonite insulation, 3 strong legs and a heavy curtain over a wire hoop. 250 watt enclosed 16" Element, Snap-action switch, 7 ft. Cord and Thermometer.

C8-1030—30" round 100 chick capacity, ship. wt. 15 lbs. ea. **\$8.30**



Back Lotter

Rigid one piece 24" steel canopy with curtain hung on wire

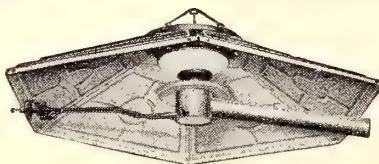
hoop. The central heating drum supports the canopy. Has porcelain socket and rubber covered cord, but no bulb.

C7-8—24" round 50 chick capacity, ship. wt. 6 lbs. ea. **\$2.99**



The Makomb Steel Products Company is the largest manufacturer of brooding equipment in the World. Makomb equipment is scientifically engineered and tested in actual use to assure satisfactory operation.

Blue Flame Gas Brooders

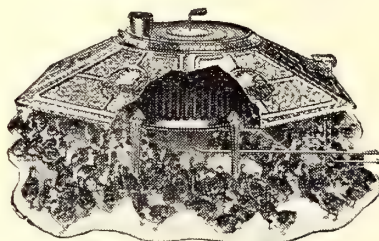


The Blue Flame Gas Brooder is equipped with chains so that it may be suspended at any desired height. Legs are not needed. The burner (24,000 B.T.U. per hour) controlled by automatic valve will handle any type gas perfectly, including butane. The clay radiants are securely mounted on the burner. The Pilot flame protected by draft shield to prevent blowing out. Fresh air intake provides heat distribution and ventilation in the brooding zone insuring ample supply of clean dust free air to the burner. Comes complete as illustrated, plus shut-off valve.

02-356—56" Canopy 350 chick capacity, ship. wt. 38 lbs., ea. **\$15.50**

02-363—63" Canopy 450 chick capacity, ship. wt. 4 lbs. ea. **17.60**

Humane Oil-O-Stat



The Humane Oil-O-Stat uniformly heats the entire floor area under the canopy so that chicks brood under the stove and canopy. An Automatic Valve controls the temperature, a big 24" heater radiates mild tempered heat. While chicks are small and need protection most, they bed down from canopy edge to edge. Big 24" drum of copper bearing steel, corrugated sides for extra radiation, with baffle and removable top, tilting canopy. London Cap, 6 gal. tank, 7½ ft. Flexible Tubing, Overflow Pipe, Wall Bracket for oil tank.

Cast Iron, Twin Blast Burner directs twin columns of heated air around the vaporizing coil for complete clean combustion. Outside cleaner handle to burner extends through top of drum. Two or three turns daily keeps burner clean.

A4-2556—56" Canopy 445 chick cap., ship. wt. 68 lbs., ea. **\$25.90**

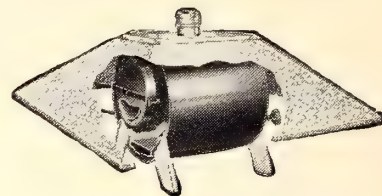
A4-2565—63" Canopy 550 chick capacity, ship. wt. 72 lbs. ea. **27.85**

AA-3311—Valve for replacement.

All Equipment is Still Scarce—We suggest you order well in advance of your needs.

All Prices F.O.B. Dallas

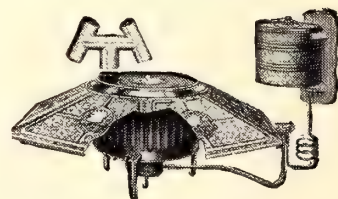
Wood-O-Stat



The big double seamed air tight 24" diameter drum of 22 gauge steel holds over 100 pounds of dry cord wood. The door of 16 gauge steel with reinforced lining is removed by lifting the handle. Has automatic thermostat control, 52" canopy. The hinged front section swings up against the pipe and out of the way. (Stove Pipe not furnished). 5" pipe available from our stock.

W1-256—52" Canopy 550 chick capacity, ship. wt. 90 lbs. ea. **\$24.80**

Great Oil-O-Stat



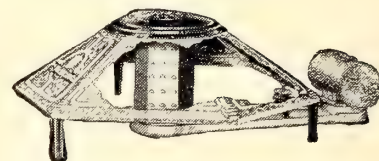
This brooder with 20½" steel heating drum is equipped with new silent and efficient Safeway Burner. Details: Automatic Thermostat Control, a big 20½" Corrugated Steel Drum, 12½" deep, tilting canopy, London Cap to prevent down drafts, 6 gal. tank, 60" of Flexible oil tubing and a wall bracket for oil tank. (Stove Pipe not furnished).

5" Pipe available from our stock.

A2-2045—45" Canopy 345 chick cap., wt. 45 lbs. ea. **\$21.05**

A2-2056—56" Canopy 225 chick capacity, wt. 50 lbs. ea. **21.55**

Ker-O-Stat



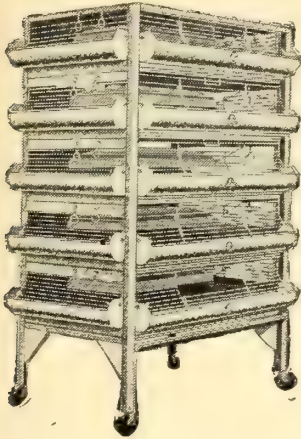
This brooder has a large and powerful 5½" burner and 2 gal. oil tank. The reservoir bowl outlet has a screen filter to keep dirt from oil line. The Automatic Control has metering type stem. Just one knurled screw with metal dial for all temperature adjustments. The louvered burner drum circulates heat like a pipeless furnace to equalize temperatures under the sturdy steel canopy.

Two asbestos lighting rings are furnished.

A9-945—45" Canopy 235 chick cap., wt. 29 lbs. ea. **\$12.70**

A9-955—55" Canopy 350 chick capacity, wt. 37 lbs. ea. **13.80**

BATTERY BROODERS



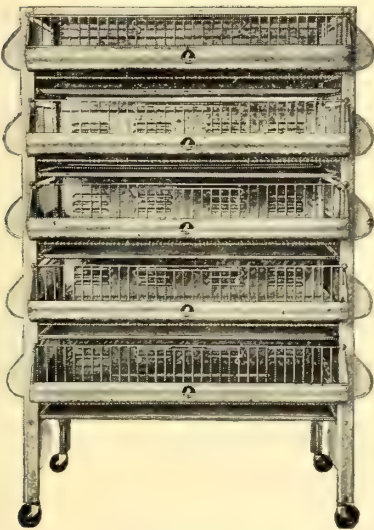
The Biddy Way Starter

The one quality built starting battery that is the right size. Biddy Way has everything plus greater convenience, plus the fact that it rolls through any door, installs back to back or against any wall and costs less. Two and a half times as much feed space as water. Water pans on the right side for easier handling. Every chick within arm's reach. Snap-lock doors. Quick off front grid. Grids lock shut when feeders removed. Streamlined steel heaters with porcelain insulated elements, Masonite insulation and real "Old Hen" heating. The Naturized 45 watt type most closely duplicates Old Hen heat under average conditions. The 60 watt, automatic type with enclosed, snap-action con-

trol, is for lower deck or cold room. Heavy steel reinforced dropping pans. Heavy crimped wire tinned floors. Capacity 750 day old, 625 to 1 week, 450 to 3 weeks.

P8-7638—with 4-38 watt and 1-60 watt heater, shp. wt. 269 lbs., each **\$93.20**
P8-7630—with 5-60 watt heaters, shp. wt. 296 lbs., ea. **99.15**

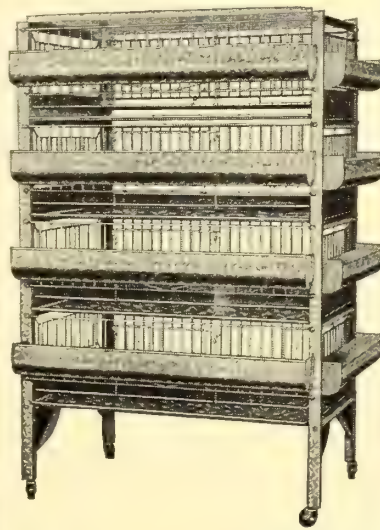
The Grower



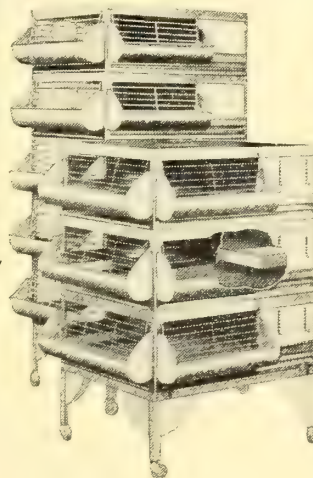
The grower holds birds from 3 weeks to 6 weeks old. It represents the second stage in three stage brooding. Will accommodate birds up to 8 weeks. Big feeders on front and one side can be raised as chicks grow. Water troughs on the other sides easily detached and hold full days supply. Chicks can be easily reached. Capacity 200 birds 3 to 5 weeks or 185 birds to 6 weeks.

P8-75—Unheated, shp. wt. 182 lbs., each **\$52.00**

The Finisher



P8-44—Unheated shp. wt. 153 lbs., each **\$39.85**



Silver Hen Starter Battery

Sturdy Electric Contact Heat. Each insulated heater draws 45 watts, has 13"x24" contact surface for chicks to snuggle against. They adjust upward as the chicks grow. Slide out dropping pans — oversized troughs. The side grids adjust the feed opening, lift off or lock closed. Area inside 24"x36", headroom 9 1/2".

Capacity per deck 85 at 7 days, 72 at 14 days, 58 at 21 days, 43 at 28 days.

C3-22—3 deck electric 104 lbs., each **\$30.40**
C3-24—5 deck electric 162 lbs., each **47.65**

Master Poultry Plant

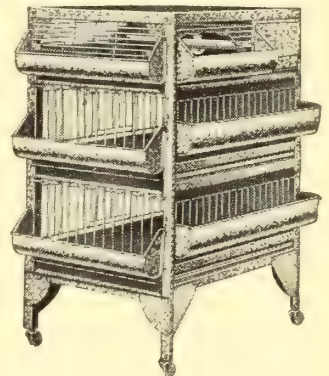
Each week 35 chicks may be placed into one of the three small heated sections on top. At three weeks move into one-half of the fourth deck. At five weeks move into one of the three lower decks to remain to broiler size at 8 weeks. Top deck only 60" above the floor. Every chick held within arms reach by partitions. The removable Brood

Unit in the top deck is Masonite insulated, carries two enclosed 60 watt Elements, two Snap-action Thermostatic Switches, a Light Socket, Lead-in Cord and Curtain. When cleaning simply remove the unit with all electrical parts that water or handling might damage. Feed and water all around. Snap lock doors. Floors braced with heavy rods with drop pans 2" below. The box type, massive posts with die formed channels and welded sides for a strong, rigid unit. Overall 68" high, 57" long and 39" wide.

P9-35—capacity 35 per week, shp. wt. 93 lbs., each **\$62.10**

In battery broiler plants, the finisher is used for birds 5 to 6 weeks old and carries them until 8 to 10 weeks old and up to 2 1/2 lb. in wt. A well built battery that will stand up under hard continuous use. The large feeders are 4" wide and 4-5/8" deep. The headroom is 12". The battery is open on all sides for ventilation and escape of body heat. Capacity 100—2 lb. broilers.

Junior Poultry Plant



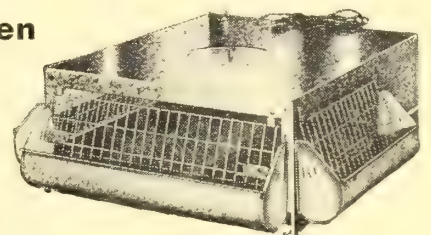
Put 45 to 50 chicks in heated upper deck. After four weeks divide, move to two lower decks. Capacity of upper deck, 43 to 4 weeks; lower decks, 21 to 8 weeks. Brooding compartment has steel hover carrying heat retaining curtain, with 60 watt full length bar element, and receptacle for light bulb. Top deck has two feeders, one waterer, 9 1/2" headroom. Lower decks 12" headroom, one feeder, one waterer, snaplock door. 24"x36" inside.

P2-40—Cap. 40 every 4 weeks. shp. wt. 93 lbs., ea. .. **\$25.20**

The Silver Hen

Raises chicks to 6 weeks. They live on a screen floor. The Naturized Heater (13"x24") in rear is heated to Old Hen temperature, insulated, draws 60 watts, adjusts up as chicks grow. Oversized feed troughs, side grids adjust feed opening. Every chick within arm's reach. Capacity 85 to 7 days, 60 to 21 days.

C2-20—Electric, each **\$11.15**



CHICK-BROILER AND FLOCK FOUNTAINS



Top Fill Vacuum Type

For chicks from one day old up. Strongly built, with non-roost cone top double seamed on, and inner can pressed on to pan. Outer can has ample clearance, pulls off easily to fill. Valve spring locks it on when in place. Brass spring valve cuts off flow. Rolled edges, smooth allround drinking trough.

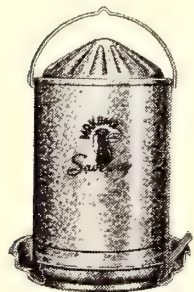
G8-23—12 qt., ea. **\$2.40**
G7-21—Sturdy Lo-Hi Stand ea. **26c**



Two Piece Founts

Most sanitary because most easily cleaned. Pan snaps on over gauged-to-size mouth. Carry by bail when full. The domed tops are tightly seamed on. They fit the palm and have a flat peak to assist in refilling. The round rolled edged pan offers more drinking space.

G8-31 furnished with Trigger Lock on Pan, locks securely.
G7-20—5 quart. ea. **85c**
G8-31—10 quart with pan lock ea. **\$1.15**



4 Gallon Float Type

Big enough for grown stock. To fill simply remove cone top. Carry by bail, double acting valve shuts off flow. The float has a giant $5\frac{1}{2}$ " float for extra pressure and sure action. The pan is of extra heavy steel, edges are rolled. Trigger lock on pan locks securely, releases easily. Hang this fount from ceiling, up out of litter.

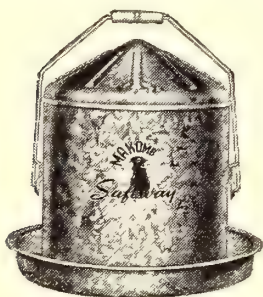
G1-4—4 Gallon, ea. **\$2.95**

Double Wall Vacuum Founts

Filled by drawing off the outer can. A spring valve shuts off the flow when outer can is removed, and locks the outer can when replaced. The bail reverses so outer can can be used as a pail. Bail locks in place to make a roost-proof top.

G9-194—5 gallon Vacuum Fount, each **\$3.55**

G9-196—5 gallon with Oil Heater (Illustrated) each **5.45**



Float Founts

The float control has a giant $5\frac{1}{2}$ " float for extra pressure and sure action. To fill just lift off cone top. The pan is loose and separate, easy to clean. When you lift the fount the flow shuts off and stays off until replaced on the pan, then opens automatically. Bail snaps in place to make roost-proof top.

G9-104—5 gallon, ea. **\$3.30**

G9-118—8 gallon, ea. **3.85**

Electric Heated Float Fountains

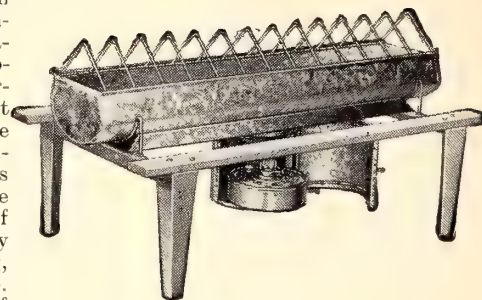
Same efficient fountains as G9-104 and G9-118, with thermostatically controlled, current saving electric heaters. A 130 Watt chrome alloy porcelain insulated element is fully inclosed in a housing fitting the bottom of the drinking pan. We recommend you set the thermostat to hold the water at 50 to 55. Base approximately 6" high.

G6-95—5 gal. Float Fountain with electric heater, ea. **\$6.75**

G6-98—8 gal. Float Fountain with electric heater, ea. **\$7.30**

6 Gallon Trough Waterer

The finest of trough waterers. Die formed of 26 ga. galvanized steel. Provides 80" of watering space up out of the litter. The wide outward flanged edge reduces slopping. The trough lifts out of its cradle for easy cleaning. 40" long, 9" wide and 5" deep. The stand is of heavy steel angles, very strong, rigid.



H1-101 with Oil Heater (illustrated) ea. **\$6.90**

H1-102 Trough and Stand no heater. ea. **4.25**

Electric Trough Waterer

This Trough and Stand are identical with H1-101 illustrated above. Has new immersion type electric heater. A $1\frac{1}{2}$ " diameter heavy galvanized steel heater tube extends approximately 15" into the trough through the end and just above the bottom. This tube houses a 130 watt porcelain insulated element. An Automatic Switch holds the water at 50-55.

H6-106—6 gallon Electric Heated Trough **\$8.75**

Trough On Short Legs

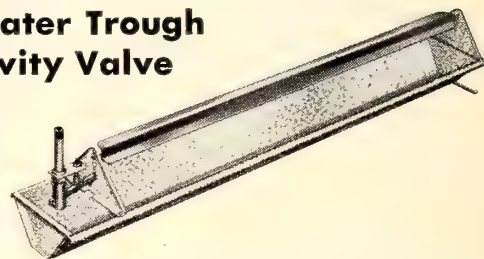


Here is the same 6 gallon trough shown above, but equipped only with short legs of heavy gauge steel in channel form. They elevate the trough edge to $10\frac{1}{2}$ " above the floor. This waterer is popular for the heavy breeds and for poults.

H9-103—ea. **\$3.10**

Running Water Trough With Gravity Valve

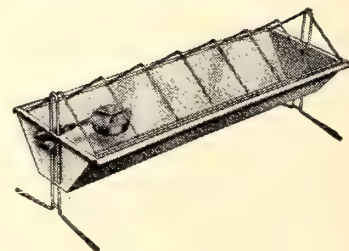
Especially adapted to watering broilers. This galvanized trough with automatic valve is for use with running water, barrel or other storage tank. It is designed to be virtually non-slopping with sloping sides extending well above the water level. The Trough hooks over the valve arm on one end, and is supported by an adjustable leg at the other end. The spinner guard which has 2 adjustments prevents roosting. Trough 36" long, $5\frac{1}{2}$ " wide and $2\frac{1}{2}$ " deep. Threaded for $\frac{1}{4}$ " pipe.



H6-4 Trough Waterer with M5-23 Gravity Valve, ea. **\$2.83**

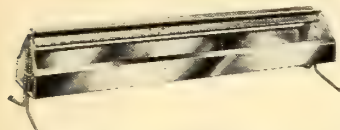
Trough Waterer With Float Control

This galvanized trough for watering hens or turkeys is equipped with an automatic float valve for use with running water, barrel or other storage tank. Sloping sides extend well above water level to prevent slopping. Wire grid guard. Very strong adjustable legs raise the edge to 9" above the floor. Attach it to water supply with $\frac{3}{4}$ " hose. Will water 200 hens or 150 turkeys. Threaded for $\frac{1}{2}$ " pipe. Trough 24" long, 9" wide, $3\frac{1}{2}$ " deep.



H6-5 Trough Waterer with Float Control, ea. **\$3.00**

POULTRY FEEDERS



All Age Feeder

The only feeder with Snap-lock legs. Three secure positions that adjust with a snap. No parts to loosen and lose. Put the feeder down in the litter for day olds. After five days replace legs. For broilers raise well up. Heavy galvanized steel trough 4-3/8" wide, 2 1/4" deep, with sure acting spinner guard.

H7-536—36" long, each \$.95
H7-548—48" long, each 1.20

Broiler Feeder

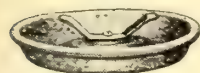
A really big feeder, with four vane reel guard. The 48" long trough is 6" wide, 3 3/4" deep. The heavy legs hinged inward for lowering the position of the feeder. Elevate trough edge to 8 1/4" above floor. Holds nearly 16 quarts when level full. There is a tie across the top at the center to prevent bulging. High ends stop a lot of usual feed wasting.

H8-47—48" long, each \$2.15

Helwig 30 Inch Feeder

This sturdily constructed feeder is 30" long, 5" wide and 3 3/4" deep. Can be used for birds of all ages. The trough is designed with slanting sides and rolled edges for easy cleaning and prevention of feed waste when chickens are feeding. Has grill guard to keep chickens out. Adjustable legs so the feeder can be placed at any desired height as required.

Helwig 30", each \$1.60



Snap On

Most sanitary, convenient and durable galvanized metal fount. Cannot rust tight to jar. Jar snaps off or on, is held secure by tempered leaf spring.

H7-6—ea. 15c Doz. \$1.50

Glass Jar Fount



Fits almost any jar securely, feeds properly. Has elevated base rim. Of flame tempered glass. Safe for medicines, disinfectants or milk.

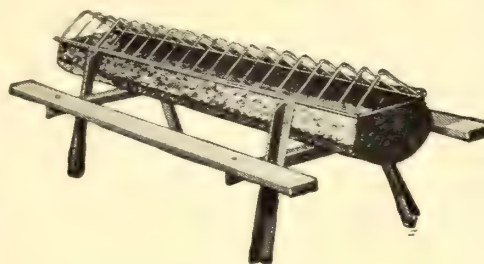
H2-3—ea. 10c Doz. \$1.20

Fountain Stand



30 inches wide, 15 inches high
G8-13, ea. \$2.25
For 5 and 8 gal. Founts

5 Foot Feeder On Stand



Equip with these modern feeders for maximum egg production and less feed waste. Extra value in every detail. Trough 9" wide and 5" deep of heavy galvanized steel. Wide flanged edge along sides is turned

out for more effective feed savings. The hinged grid swings back to refill. The stand is very strong with 16 ga. angle legs and 1" x 3" perches. 15" above floor.

H8-95—5' Feeder on Stand Ask

Heavy Fowl Feeder

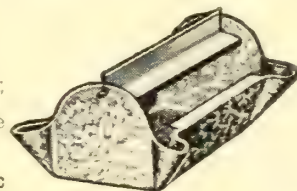
Popular for birds over 2 lbs., for poults, and for heavy breeds. The strong channel legs elevate the trough edge to 10 1/2" above the floor. Strong and rigid. Has the same trough as the H8-95 above.

H8-96—5' Feeder on Legs Ask

"Twenty" Feeder

Die formed in one piece of steel. Water tight trough 20" long, 3 1/2" wide, 1-9/16" deep. Flanged edge and free spinning reel.

H7-320, ea. 35c



EQUIPMENT REPAIR PARTS

Steel Oil Bottle with handle and valve. Fits many blue flame brooders.

No. AA3340—5 Qt., each \$1.50
No. AA-340, Valve only30

Automatic Electric Switch—Instantaneous snap action. For Incubators, Brooders, fans, etc. Handles up to 1200 Watts without condenser. In dust tight cromium case with lead wires and wafer.

No. AC4790, each \$1.80

Automatic Control Valve (oil)—Standard model to fit almost any drum type brooder and improve performance. 1/4" O.D. tubing at inlet. 3/8" outlet pipe. Complete with wafer and shield.

No. AA6494, each \$1.91

Great Oil-O-Stat Control Valve—to improve early models or any drum brooder using 1/4" O.D. inlet tubing and 3/8" outlet pipe.

No. AA3257, each \$2.31

M7-811—Lighting Rings—Asbestos 11" long for Blue Flame Brooders, ea. 20c Doz. \$1.90

M7-815—Lighting Rings—Asbestos 15" long for Blue Flame Brooders, ea. 20c Doz. \$2.10

Makomb Brooder Elements—made of long life, heavy chrome alloy resistant coils mounted in porcelain insulators in a steel case. 15" diameter.

No. AC6533—100 Watt, each \$2.00
No. AC6243—250 Watt, each 2.20
No. AC7086—500 Watt, each 2.62
No. AC6225—100 Watt, each 3.27

Chromolox Elements—Mica Insulated in tight heavy steel case.

No. A1 1/2—3 1/2" dia. 150 Watt, ea. \$1.50
No. A8—8 1/2" dia. 660 Watt, ea. 2.25

M7-63U Universal Thermostat Wafer, 3" double, fits most oil, coal and Electric brooders.
Ea. 32c Doz. \$3.75

M7-63T Wafer Thermostat, 3" double. Has 10/32 inch internal thread for Makomb Gas and Electric Brooders. Fits many others.
Ea. 32c Doz. \$3.60

M7-63S Wafer Thermostat, 3" double — Has 10/32 inch threaded stud for Oil-O-Stats and Royal, Brower, Klein, Hudson Oil Brooders.
Ea. 32c Doz. \$3.60

Parts available for all equipment

IT PAYS TO BUY GOOD EQUIPMENT!
IT LASTS LONGER! WORKS BETTER! AND IS MORE
ECONOMICAL FOR THE MONEY SPENT

MISCELLANEOUS POULTRY SUPPLIES



London Cap

Needed with every drum oil brooder. Use atop the pipe of brooders or tank heaters installed where adjacent barns, trees, create down drafts blow out the flame.
M9-36—5" ea. ..\$1.35

Brooder Fence

Made of better grade chip and corrugated board. Eliminates floor drafts and prevents crowding. 12" high 32" long.
M7-32—32" Brooder Fence, ea. 50c



M8-27
on
M7-5

M7-7
on
M7-6



Ball Joint Saddle

Perfectly formed and drawn of non-peeling Zinc Grip Steel. Fits most any roof, has 12" of special pipe so smoke pipe seldom needs cutting to fit. 5" size only.

Saddle Caps

Revolving type swings freely on needle bearing, does not bind from ice or smoke. Standard type has over-size vent to allow unrestricted draft. Both gauged to size and rain tight.

M7-5 Ball Joint Saddle, ea. \$1.55
M7-6 Cone Clamp Saddle, ea.95
M8-27 Revolving Saddle Cap, ea. . .52
M7-7 Standard Cap, ea.47



Draft Adjuster

The correctly balanced damper swings in to admit a checking flow of air during high winds. Or, if a down draft develops it will help dissipate it.

M7-55 ea. 85c

Self Locking Pipe

You simply bring the edges together, insert one into the other and snap the seam closed. Will not collapse under pressure and can be cut without destroying the lock seam. Each joint 24" long, 5" diameter.

M7-45B Blue Steel, ea. ... 25c
M7-45G Galvanized Steel, ea. 45c

Float Control



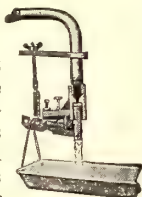
An all brass valve for use with running water or from barrel or tank. Water directed into pan by angling nozzle. The control of the flow is by means of a tire valve core. Keeps water at desired level. Easily replaced. Very popular. 1/2" pipe connection.

M5-21 Float Control, ea. \$1.20

Gravity Valve

This all brass valve is for use with running water. The action is very positive and the valve parts are oversize for longer life. Water flows into trough or pan suspended by wire bail from notches in the valve arm. Weight of water in trough, or pan closes valve thus maintaining desired water level.

M5-23 ea. \$1.26

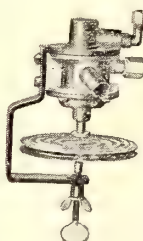


Reliable Float Control



An all-brass automatic float valve that will regulate flow of water and keep it at any desired level. Valve can be connected to regular water pipe or barrel or tank. Combined 1/4" and 1/2" connections.

No. 904 ea. \$1.10

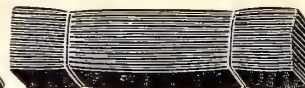


Automatic Gas Valve

Sensitive positive action for improved performance from any gas burning brooder. Handles any type gas, including

Butane. Complete as shown plus pilot light tubing and shielded pilot.

01-V—Automatic Gas Valve, ea. \$3.65



Lamps — Burners — Chimney — Wicks

LAMP BURNERS:

Sun Hinged

No. 2—1" wick, ea. 60c
 No. 3—1 1/2" wick, ea. .. 85c
 No. 3 dbl. 1 1/2" wick, ea \$1.00

LAMP BOWLS:

No. 101 for No. 2 Burner, ea. 90c
 No. 102 for No. 3 Burner \$1.00

Metal Lamp Chimneys (Specify size) each 30c

LAMPS COMPLETE:

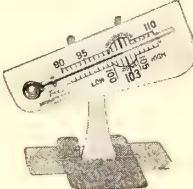
No. 2 with S. H. Burner and Chimney, ea. \$1.84
 No. 2 with Chimneyless Burner, ea. 1.69
 No. 3 with S. H. Burner and Chimney, ea. 2.20
 No. 3 with Chimneyless Burner, ea. 2.25
 No. 3 with Double S. H. and Chimney, ea. 2.40

Chimneyless

No. 2—1" wick, ea. 75c
 No. 3—1 1/2" wick, ea. .. \$1.20

WICKS: (Braided Cotton)

No. 219 for No. 2 Burner, ea. 4c. Doz. 35c
 No. 220 for No. 3 Burner, ea. 5c. Doz. 45c



Thermometers

No. STD19—Incubator Thermometer on stand. An accurate and dependable instrument with magnifying tube for easy reading. Scale ranges for 90 to 110 Farenheit.

No. M7-7B—Brooder thermometer with 7" steel enamel back, brooding guide, and red filled tube securely anchored with tip through hole in back. Temperature range 30 to 120.

No. C-3399—Elect-O-Stat Thermometer. An accurate instrument on round wooden back 8 1/2" long. Generally used on electric canopy brooders. Temperature range 30 to 120.

STD19 ea. -- \$1.00 M7-7B ea. 32c
C-3399 ea. 47c

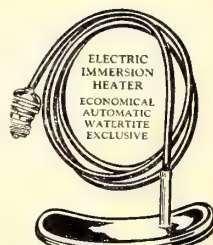
Hygrometer

This Taylor Hygrometer and Thermometer is recommended for use in battery brooder rooms. A device for determining relative and absolute humidity. Approximate scale range 30 to 120 degrees, size 8 1/2" by 4 1/2". Comes complete with spare wicks, chart and directions for reading.
No. 5532 Hygrometer, ea. \$5.40
Extra Wicks, ea. 10c Extra Reservoir, ea. 75c

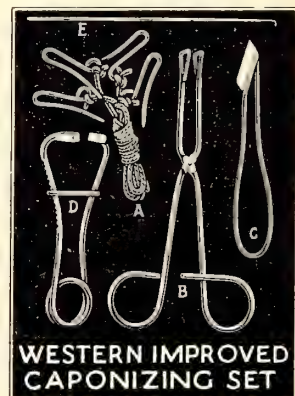


Immersion Heaters

For use with round founts having 1 1/2" trough as well as open pans or troughs. Holds water at 50 to 55 automatically so hens drink more. Has case of heavy tinned copper, enclosing 200 Watt element with porcelain insulation, and genuine snap action switch.



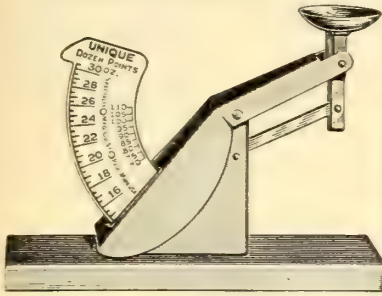
M8-22 Immersion Heater, ea. \$3.45



No. 410, ea. \$2.95

EGG FARM SUPPLIES

Unique Egg Scales



The dial has plainly marked figures showing weights from 16 ounces per dozen to 30 ounces per dozen. Indicates grade by points used in egg laying contests. Stops are provided in the dial.

Unique Egg Scale, ea. \$1.70

Turkey Egg Grading Scales

Similar in design to the Unique Egg Grading Scale but graduated for weighing turkey eggs from 30 oz. to 42 oz. per dozen.

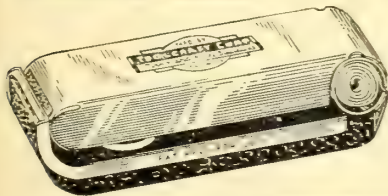
Each \$2.40

Egg Candler



Clear, candled eggs, free from blood spots and other defects, speedily selected with this electric candler. Complete with cord, socket and bulb.

Each \$1.55



Reliable Egg Scale



This egg scale is suitable for hatchery use because of its speed as well as accuracy. Wood base 12-3/4 by 2-5/8 inches, fits on egg case. Cast iron stand supports a brass beam on a steel knife edge bearing. The brass weight is arranged so that it cannot come off the beam. The beam is graduated for weighing eggs from 16 ounces to 30 ounces per dozen.

Reliable Egg Scale, ea. \$1.75



Commercial Egg Cartons

Size 2x6 for 1 dozen eggs. These boxes are set up with a handy setting up machine which is simple and easy to operate.

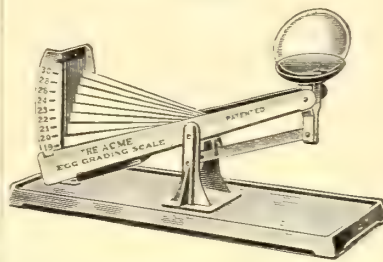
Commercial Egg Cartons, ea. 3c. Lots of 250, ea. 2c
Setting up machine, ea. \$1.00

Handy Egg Sander

Clean your eggs without taking off the "bloom", with sandpaper of just the right grain stretched over a sponge rubber cushion. As it wears, just squeeze the roller and tear off the worn end. Refill rolls inserted in a minute.

Egg Cleaner, ea. 65c
Refills for Egg Cleaner, ea. .. 15c

Acme Egg Scale



This scale accurately grades all eggs ranging from 15 ounces per dozen to 30 ounces per dozen. Made entirely of aluminum, easily read.

Acme Egg Scale, ea. \$3.10

Petty's Toe Punch



No. 1538—For marking baby chicks. Clamp punch, cadmium plated. Punches a clean hole. Will not bruise foot. Each, postpaid 15c

15 Doz. Egg Cases, Fillers and Flats

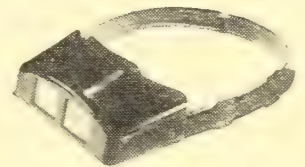
Ideal for delivering hatching eggs or for carrying eggs to town for sale. It is strong with double sides and quadruple bottom. Paraffined to water-proof. It is long lived.

15 doz. Egg Case, ea. .. 42c
Set of 5 Filler and 5 Flats (Chicken Eggs) ea. 30c
Set of 4 Fillers and 4 Flats (Turkey Eggs) ea. 40c



Each 38c

Magni-Focuser



The new binocular eye loop speeds up and improves the sexing of baby chicks or any other kind of precision work. It has dual mounted lenses ground from the finest optical glass which magnify an object to needle point sharpness. It enables you to see an object greatly magnified with the clarity and comfort of normal vision. The Magni-Focuser fits comfortably over regular eye glasses. Does not have to be held, so it allows free use of both hands.

Focal Length

No. 3, 14 inch, ea. \$8.50
No. 5, 10 inch, ea. 8.50
No. 7, 8 inch, ea. 8.50
No. 10, 4 inch, ea. 10.50

Feed and Seed Scoop



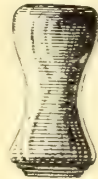
Galvanized steel with wood handles, with bolt through entire handle. The balanced lift avoids losing seed or feed when removing scoop from the sack.

No. 1011 5 1/2 lbs., ea. 90c
No. 1010 3 1/2 lbs., ea. 85c
No. 1009 2 1/2 lbs., ea. 75c

Egg Stamps and Stamp Pads



This stamp is used extensively by associations and individuals. For guaranteeing eggs. For association work, it usually bears the name or initials of the association, the number of the individual whose egg the association is to sell and guarantee, and "infertile" or "guaranteed".



Individuals usually place their name at the top and their city and state at the bottom with the word "infertile" or "guaranteed" across the center.

Individual stamp, lettered as you wish \$1.00.
The self-inking Stamp Pad, Each 25c

Stamp Price Each		Name Only	
Quantity	No. Only Changed	Quantity	Name Only Changed
1-10	\$1.00	1-10	\$1.00
11-25	.80	11-25	.95
26-75	.75	26-75	.90
76-100	.70	76-100	.85

MISCELLANEOUS POULTRY SUPPLIES



Duraglas Fountains

One gallon and two and one-half gallon glass fountains with plastic screw on bases. The water outlet hole is arranged so that a finger placed over it, while inverting the filled fountain completely avoids spillage of water. Impervious

to medicine, disinfectants and milk. Suitable for use from day-old to broiler and pullet age even for laying hens.

Glass is easiest to keep clean. Birds drink more water from glass containers because they are attracted by the bubbling water.

No. 401—1 gallon 75c
No. 405—2½ gallon \$2.25

Glass Substitutes

Listed on page 42 of this catalog, is our complete line of Glass Substitutes—Wyr-O-Glass, Screen-Glass, Glass-O-Net, Flex-O-Glass, R-V Lite Vitapane.

Bandettes

Sold only in unbroken sets of 25 in one color. Numbered to 200 in yellow and green; to 600 in red and blue. No. 9 for Leghorns. No. 11 for Rocks, Red.



No.	Postpaid
No. 9	
50 for	\$1.35
100 for	2.50
500 for	12.05
No. 11	
50 for	1.35
100 for	2.60
500 for	12.60

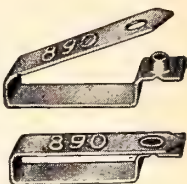
Adjustable Leg Bands



Made of Aluminum	
No. 15 for Chickens—50 for	35c
100 for 60c; 500 for	\$2.80
No. 15L for Turkeys—50 for	40c
100 for 75c; 500 for	3.40
	Postpaid

Wing Bands

"ZIP" Ready Shaped **No. 890**, made of aluminum, are real time savers. Just insert the ready shaped band, then seal and you have permanent identification.



Numbered as high as desired in even series, that is 1 to 100, 101 to 200, etc. In ordering, specify series wanted. Not less than 100 sold.

ZIP SEAL	100	300	500	1000	2000
Wing Bands	\$1.25	\$3.40	\$5.00	\$9.00	\$17.50
Unnumbered Bands	5c per 100 less				
Style 890S, Sealing Pliers, needed, each	\$1.35				

Pigeon Bands



Red, Blue, Green or Yellow celluloid with aluminum back. 25 pairs in set.

Price, per set	65c
2 Sets \$1.25 10 Sets	\$6.00
	Postpaid

Poultry Killing Knives

No. X28193 Chicken Sticker—Beech handle, fine quality, 3" blade, each 70c

No. X2694 Turkey Sticker—Beech handle, fine quality, 4" blade, each 75c



No. 113 Pinning Knife—Shaped Beech handle. Guard on blade protects finger. Tempered blade, 2½" long, each 35c



No. 28874 Roost Scraper—Beech handle. Scraper 3x3-7/8", each 45c



Spiral Colored Leg Bands

Colors: White, black, red, green, blue and yellow. Not less than 50 bands of a size and color sold.

	50 Bands	100 Bands	500 Bands
No. 4 Baby Chicks	\$.20	\$.35	\$1.45
No. 5 Pigeons .....	.22	.40	1.65
No. 6 Growing Chicks .....	.25	.45	1.85
No. 9 Large Leghorns .....	.31	.57	2.80
No. 11 Rocks and Reds .....	.36	.62	3.05
No. 12 Asiatic Hens .....	.40	.70	3.45
No. 14 Turkey Hens .....	.55	1.00	4.95
No. 16 Turkey Toms .....	.75	1.40	6.95

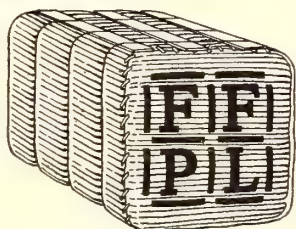
Postpaid

Magnolia Fibre-Free Peat Moss Litter

Controls odors, absorbs dampness, prevents disease.

Lessen your Brooder House Fire Hazard by using Peat Moss Litter.

Use for Hens Too.



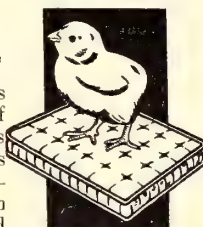
Large Bale, Approx. wt. 100 lbs., ea. \$4.60

Small Bale, Approx. wt. 55 lbs. ea. 2.85

One large bale will cover approximately 300 sq. feet one inch deep.

Chick Bed Poultry Litter

Chick Bed absorbs moisture — fireproof — saves Chicks — helps check disease — saves money and time — good insulator — can be screened, washed and reused.



Chick Bed is packed in bags sufficient to cover approximately 50 square feet of floor space 1" to 1½" thick. Three sizes.

Battery Pan Litter or Nesting (also for wall and ceiling insulation)

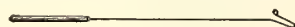
70-75 lbs. bag, each \$2.15

Brooder House Litter, 90-100 lb. bag, each 2.65

Laying House Litter, 90-100 lb. bag, each 2.15

Fowl Catcher

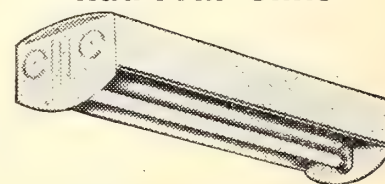
A handy tool that catches quickly without injury. Heavy galvanized steel rod 48" long with a sure-catch leg hook.



Turkey catcher of heavier wire suitable also for lambs and little pigs.

Sampson Chicken Catcher, ea. 35c
Sampson Turkey Catcher, ea. 50c

Rad-I-Air Units



RAD-I-AIR Germicidal Units bring the germ-killing power of sunlight indoors. Air and dust contribute to borne bacteria respiratory infections. The Use of Rad-I-Air units in poultry and animal areas provides a scientific means of air sanitation for prevention and spread of disease. Operates on 110-115 volt 60 cycle current. Completely wired ready to install. Adjustable baffles may be added, to deflect or shield Ultra-Violet rays.

Models Available:
981-15 Rad-I-Air Fixture (15 watt) less bulb, ship. wt. 6 lbs. \$14.40

AB-15 Adjustable Baffles (set) ship. wt. 1½ lbs. 1.50

981-30 Rad-I-Air Fixture (30 watt) less bulb, ship. wt. 12 lbs. 19.90

AB-30 Adjustable Baffles (set) ship. wt. 2¾ lbs. 2.75

SYLVANIA GERMICIDAL BULBS

	Watts	Length	Life Hrs.	Ea.
F16-12	15	18"	2500	\$4.50
F31-12	30	36"	2500	6.75

RED VI-O-TEX

Admits Ultra-Violet Rays to help mature chicks faster. Makes red objects appear colorless to stop cannibalism.

36 in. wide Wt.
Square Yard \$.45
Roll of 25 sq. yds., 14 lbs. 10.00
Roll of 50 sq. yds., 27 lbs. 20.00



A-A POULTRY TABS

A scientific drinking water medication for poultry of "All Ages". May be used in any type vessel.

20 Tablets	30c
50 Tablets	60c
120 Tablets	\$1.20
500 Tablets	4.00

POULTRY WORM POWDER (Ascarid)

For flock treatment of chickens and turkeys to eliminate large round worms safely, and economically. Simply add to feed.

1-1/8 lb. bag	60c	10 lb. pkg.	\$4.25
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POULTRY PRESCRIPTION

A Tonic for poultry. Improves appetite and digestion. Tends to prevent "slipped tendon." An excellent Tonic for use during the molt, recovery from disease or from effects of worm infestation.

3/4 lb. Pkg. each	25c
1-7/8 lb. Pkg., each	50c
4 1/2 lb. Pkg., each	\$ 1.00
15 lb. Pkg., each	3.00
*100 lb. Pkg., each	15.00

*Factory item.

NEW LOUSE POWDER (with DDT)

8 Oz., each	40c
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Maintain FIRST AID FOR YOUR FARM STOCK With **DR. LEGEAR'S** Prescriptions

"SINCE 1892"



NICOTINE KAMALA PILLS (Poultry Red Caps)

Individual treatment for large round worms (ascarids) in chickens and turkeys. Two sizes, one for adults and one

for pullets. Easy to administer.

Env. of 50 Pills, ea	...	\$.25	
Pkg. of 1000 Pills, ea.	..	4.75	9.00

LICE POWDER

Use to kill lice on poultry and livestock. Provide a dust bath, birds will dust themselves..

14 Oz. each	30c
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DIP AND DISINFECTANT

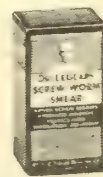
Disinfecting properties five times as great as pure carbolic acid. Economical.

8 oz. Bot. ea.	30c	1 Gal.	\$2.00
1 Qt., ea.	65c	5 Gal.	8.50

ANTISEPTIC OIL

Antiseptic aid for healing cuts, scratches, burns, galls, and other skin abrasions.

6 Oz., each	60c
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Dr. LeGear
the
Pioneer

ANIMAL AND BARN SPRAY

For killing flies, lice, mosquitoes, gnats, and bed bugs on animals, in the barn or poultry house. Odorless, non-inflammable, easily diluted with water. Economical and effective.

8 oz., ea. ..	\$1.00	1 qt., ea.	\$3.00
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HOG PRESCRIPTION

Keeps sows in prime condition. Excellent for young pigs. Aids recovery from disease and worms.

3/4 Lb. Pkg., ea.	25c
1-7/8 Lb. Pkg., ea.	50c
4 1/2 Lb. Pkg., ea.	\$ 1.00
15 Lb. Pkg.	3.00
*100 Lb. Pkg.	15.00

*Factory item.

COW PRESCRIPTION

Tonic for cows and calves. Beneficial to all cud-chewing animals. It results in better utilization of feed. A safe precaution against goiter or "big neck."

3/4 Lb. Pkg., ea.	25c
1-7/8 Lb. Pkg., ea.	50c
4 1/2 Lb. Pkg., ea.	\$ 1.00
15 Lb. Pkg.	3.00
*100 Lb. Pkg.	15.00

*Factory item.

STOCK POWDER

General Tonic prescription for all stock. Improves appetite in poor feeders, and stimulates digestive processes. Fine for use during convalescence.

(See prices next column)

Stock Powder Prices

3/4 Lb. Pkg., ea.	25c
1-7/8 Lb. Pkg., ea.	50c
4 1/2 Lb. Pkg., ea.	\$ 1.00
15 Lb. Pkg.	3.00
*100 Lb. Pkg.	15.00

*Factory item.

SCREW WORM KILLER

Kills screw worms, is antiseptic and promotes healing.

Screw Worm Killer liquid medication			
3 Oz., ea.	30c	6 Oz., ea.	50c

UDDER OINTMENT

For treatment of caked bag, trampled, cut or sore teats. Relieves irritation.

7 Oz., ea.	60c
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LEE'S POULTRY REMEDIES



ACIDOX

A highly efficient drinking-water medication for the care of birds with Coccidiosis. Used in conjunction with Germozone. May be used in metal fountains.

4 Oz., ea.	50c
12 Oz., ea.	\$1.00
32 Oz., ea.	\$2.00
1/2 Gal., ea.	3.50
1 Gal., ea.	6.50

BLITSRAY

For external Parasites of Poultry and Stock. Spray with Blitsray for Poultry Lice, Stock Lice, for Fleas on Dogs and for Bedbugs.

1 Pt., ea.	\$.75	1 Qt., ea.	\$1.25
1 Gal., ea.			\$4.00

GERMOZONE

Drinking water antiseptic for many simple bowel troubles—diarrheas. Used alternately with Acidox for the care of birds with Coccidiosis.

4 Oz., ea.	40c	32 Oz., ea.	\$1.50
12 Oz., ea.	75c	1/2 Gal., ea.	2.50
1 Gal., ea.			\$4.50

GIZZARD CAPSULES

For Round Worms, Pin Worms, and large Tape Worms. Patented insoluble coating carries drugs direct to worms in the intestines.

Capsules (100-Box) (50-Box)	
Chick, ea.	\$.75 \$.40
Pullet, ea.	1.00 .50
Adult, ea.	1.25 .75

Walko Tablets

One of the best known germicides. Generally and effectively used in the drinking water for chicks, hens and turkeys. Also as a treatment for roup, colds etc.

100 Tabs	\$.50	1000 Tabs	\$2.50
300 Tabs.	1.00	2000 Tabs	4.00

Magnolia Flea-Kill

Positively Exterminates Fleas

In houses, kennels, barns, poultry houses or wherever they may be found other than on animals. It is guaranteed to exterminate them.



Not water soluble and retains full strength in drenching rains. Magnolia Flea-Kill is harmless externally to animals or poultry when applied to breeding places as instructed, but should not be applied directly to their skins.

Amount	Coverage	Postpaid
4 lbs.—100 sq. ft. (10x10 ft.)		\$1.10
12 lbs.—300 sq. ft. (10x30 ft.)		2.20
24 lbs.—600 sq. ft. (20x30 feet)		3.25

Feedoil

Vitamin D Feeding Oil

Vitamin D potency not less than 85 A. O. A. C. chick units per gram. Free from rancidity and low in free fatty acids. Conforms to standards of the Association of American Feed Control officials.

Qts., ea.	\$ 1.95
Gal., ea.	6.35
5 Gal., ea.	37.95
*55 Gal., ea.	235.00
*Freight allowed.	

Sodium Fluoride

Poultry Lice Powder or Dip

Dust each bird or dissolve 1 oz. in 1 gal water and dip. 1/2 lb. and 1 lb. packages. 1/2 lb. 30c 1 lb. 50c

Sulphur, Flour

Helpful in preventing sore-head, pox, coccidiosis. Feed 2 to 5 lbs. to 100 lbs. mash. Bag lots or smaller amounts. 4 lbs. 25c 10 lbs. 45c 100 lbs. 295

Epsom Salts

Feed 1 lb. to 125 adult fowls; 1 lb. to 300 pullets; younger chickens in proportion to age. 4 lbs. 34c 10 lbs. 75c 100 lbs. \$6.60

HOG OIL WORMER

For large Round Worms in hogs. High in efficiency—Low in cost.

12 Oz., ea.	\$1.00	1 Qt., ea.	\$2.00
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LEE'S DIP AND DISINFECTANT

A standardized disinfectant for poultry houses, barns and hog buildings.

5 Gal., ea.	\$ 8.25
*30 Gal. bbl., ea.	36.50
*50 Gal. bbl., ea.	53.00
*Factory item F.O.B. Destination	

LEEMULSION

An excellent treatment for diseases affecting the air passages: Colds, Pneumonia and Bronchitis. Recommended for use in combination with Vapo-Spray. Especially valuable for young chicks.

4 Oz., ea.	\$.50	32 Oz., ea.	\$2.00
12 Oz., ea.	1.00	1/2 Gal., ea.	3.50
1 Gal., ea.			\$6.50

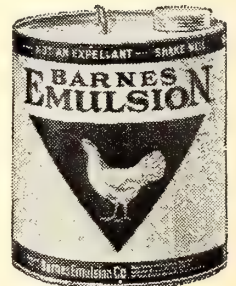
VAPO-SPRAY

An inhalant, recommended for treating diseases affecting the air passages. Valuable for poultry, hogs and rabbits.

1 Pt., ea.	\$.50	1/2 Gal., ea.	\$1.25
1 Qt., ea.	.75	1 Gal., ea.	2.00
5 Gal., ea.			\$8.75

MISCELLANEOUS REMEDIES

Barnes Emulsion



A Vitality Builder and worm control for chickens and turkeys. An old favorite, as effective as ever.

Qts., ea.	\$ 1.00
Gal., ea.	3.00
5 Gal., ea.	12.50

POULTRY REMEDIES



Black Leaf "40"

Kills Poultry Lice in the simplest way known. Just paint it on the roosts. Body heat causes a slow release of the Nicotine fumes to kill lice. 40% Nicotine. 1 oz., treats about 90 hens on smooth roosts.

1 oz., ea.	\$.36	2 lb., ea.	\$ 3.92
5 oz., ea.	1.05	5 lb., ea.	7.40
1 lb., ea.	2.42	10 lb., ea.	12.85

Carbolineum America (C-A WOOD PRESERVER)

C-A WOOD PRESERVER will kill chicken mites and blue bugs (Fowl Ticks) in poultry houses. It also stops rot of wood and makes wood Termite proof.

C-A WOOD PRESERVER is guaranteed to be like that Carbolineum recommended in Government Bulletins because C-A Wood Preserver is completely distillable. An thracene Oil, non-evaporative to the highest degree, it affords the most permanent protection (even a mixture of 2/3 fuel oil and 1/3 C-A Wood Preserver is less evaporative, therefore more permanent than coal tar creosote oil). C-A Wood Preserver will positively protect your poultry house from mites and blue bugs for 1 to 3 years, when applied according to directions. One gallon is sufficient for an 8x12 ft. house.

Qts., ea.	\$.60	30 Gal., ea.	\$31.80
Gal., ea.	1.75	55 Gal., ea.	55.00
5 Gal., ea.	7.50		

B-K General Manual Kleanser

A water softener and soapless cleaner for the dairy, poultry farm, home or restaurant.

5 lb., ea.	65c
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D.D.T. Paint Superior "365"

Practical — because Superior 365 provides a long-lasting, clean white, sanitary coating. Effective, because it paralyzes and kills most insects at contact.

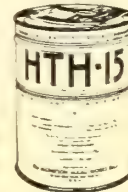
Efficient, because it covers every square foot of surface with 200 milligrams of DDT in its most potent form. Economical, because it makes 5 gallons of paint with 25 lbs. of Superior 365. Safe, because it is non-toxic except when taken in large doses.

25 lb. Containers, ea.	\$4.95
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HTH-15

Kills Germs and Bacteria

An improved and fully effective chlorine germicide, disinfectant and deodorant in powder form, to be added to water. For use in homes, hospitals, restaurants, soda fountains and taverns. Extensively used by dairymen and poultrymen.



1 lb.	\$.50
3 lbs.	1.00

Postpaid

B-K



B-K LIQUID

A hypochlorite germicide for purifying drinking water, disinfecting feed and water utensils, etc.

fecting feed and water utensils, etc.

4 oz., ea.	30c
10 oz., ea.	50c
Qt., ea.	90c
Gal., ea.	\$2.00
5 Gal., ea.	8.50

B-K POWDER

A Dust Treatment to help control respiratory diseases in poultry. Mixed with water makes effective germicide. Contains 50% available chlorine.

9-1/3 oz., ea.	75c
1 1/4 lb., ea.	\$1.50

Gaines Dog Food

A tasty dry dog food that contains all vitamins known to be needed for sound growth—plus proteins, cereals and minerals. For dogs of all breeds and sizes. Gaines was the choice of Admiral Byrd for his Antarctic dogs. Comes in meal form to which only water is added, or in chewy pellet or Kruncheon form.

	Meal	Kruncheon
2 lbs.	\$.34	\$.34
5 lbs. ....	.72	.72
10 lbs.	1.37	1.37
25 lbs.	3.20	3.20
50 lbs.	6.10	6.10

Sulfadene

Sulfadene eliminates Fungitch caused by mouldy grass and weeds. If your dog scratches, driven frantic by itching, don't be too quick to blame fleas, mange or diet. In all probability, your dog has Fungitch. This infectious organism thrives on mouldy vegetable matter and is transmitted to pets through contact, when romping and playing in leaves, weeds and grass.

4 Fluid oz.	98c
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Dawg-Gone Keeps dogs away from Evergreens and shrubs. Remove cap and hang tube in bushes. Per Tube, Postpaid25c

Liquid Chaperone No stained evergreens, disfigured shrubs or trampled flowers, if you spray Liquid Chaperone wherever dogs do damage. Lasts for weeks, regardless of weather.

4 oz. Can	50c	12 oz. Can	\$1.00
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PET SUPPLIES

Pulvex Pet Supplies

Pulvex Flea Powder contains 5% DDT, kills all fleas, leaving none to reinfest.

1-1/5 oz.	25c	3-3/5 oz.	50c
12 oz.	\$1.25		

Pulvex Flea Soap kills fleas, cleans, and deodorizes dog's coat and skin25c

Pulvex Sponge Away—(mixed, one teaspoon to quart water) kills fleas, lice or ticks, also controls summer eczema.

1 oz. liquid	25c	3 oz.	50c
8 oz.	\$1.00		

Pulvex Conditioners Vitamin and Mineral Tabs.

48 Tabs	50c	150 Tabs	\$1.25
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Pulvex Combination Treatment Worm Capsules. Dogs 1 to 10 lbs. and over.

(Give size of dog) 50c

Pulvex Cough Medicine, 4 oz.60c

Pulvex Ear Canker Treatment, 4 oz.60c

Pulvex Eye Lotion, 4 oz. 60c

Pulvex Pine Oil Disinfectant, 8 oz.50c

Pussy Scat

A new harmless powder that will prevent cats from lying on your furniture, clawing curtains or sleeping on your bed. You do not smell Pussy Scat, but the cat does—and keeps away.

Small Cone	50c	Big Cone	\$1.00
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Wash-A-Pooch Dog Oil Shampoo

A scientific, sudless cleanser, combining oil applications and shampoo that thoroughly cleanses hair and skin. Soothing, deodorant, non-irritating; kills fleas and other insects.

3 oz. Shaker-Top Bottle	35c		
8 oz.	60c	16 oz.	\$1.00
Postpaid			

Postpaid

Wash-A-Pooch Bubble Bath

A super-foamy, waterless bubble bath for dogs and cats; contains no alcohol; safe and efficient; kills odor and cleans skin and hair thoroughly. Use alone in cold or wet weather to keep from giving pets a cold. Can be used with water as a regular shampoo. Relieves itching, discourages fleas, leaves coat silky and lustrous.

2 oz Bottle ..	25c	6 oz.	50c
Pint	\$1.00		

Postpaid

Rex Hunter's Dog Powders

For a tonic re-constructive that relieves listlessness, poor appetite, excessive scratching, loose coat, simple skin irritations.

8 Tablets	25c	40 Tablets ..	\$1.00
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Postpaid

Bird Supplies

Canary Bird Mixture 1 lb. 6 lbs.	
(bulk)	\$.30 \$1.75

Love Bird and Finch Mixture (bulk)30 1.75
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Parrot Food (bulk)35 1.75
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Sunflower. Mammoth (bulk)30 1.75
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Conserve
the
Soil—
Rebuild
its
Fertility



Let Not
Erosion
and
Depletion
Bring
Desolation

A typical soil erosion in Texas, where irreplaceable topsoil runs down the gully, on its way to rivers and the sea.

For many years thousands of acres of farm land in Texas have been devoted to cotton or corn production, each crop using up a certain amount of the plant food originally in the soil.

These one-crop lands have been plowed year after year, without benefit of cover crop at any time—the top soil, bare and loose in winter, and so, in prime condition to be blown away or washed away. The result has been diminishing crop returns with, finally, another abandoned farm.

In Texas, these worn-out farm lands now constitute an area equal to 22 average size Texas Counties, out of the total of 254 counties in the state.

This tragic loss must be stopped. It can be. The remedy is winter cover cropping with legumes, combined with terracing, contour plowing and planting, and strip cover-crop planting in cultivated fields.

Legumes are soil savers, holding the soil against wind and water erosion, and they are soil builders, when inoculated with Nitragin soil bacteria.

Poor soils are low in organic matter and, consequently, are deficient in nitrogen. Legumes, properly inoculated with selected

strains of vigorous, active bacteria, are able to produce on such poor soils because, though within themselves they have no power to utilize the nitrogen of the air, that power comes to them through the correct strain of bacteria living and working in the nodules on the roots. It is, therefore, imperative that inoculation be practiced, when rebuilding worn-out land with legumes.

In addition to saving and rebuilding soils, legumes provide pasture and, when finally plowed under, furnish, besides the nitrogen drawn from the air by the bacteria, valuable humus that will tighten loose sandy soil and loosen tight sticky soil, in other words, improve any kind of soil for cultivating and planting.

Let us make it our duty to see that no more farm land is abandoned because of soil-fertility exhaustion. Each fall plant Hairy Winter Vetch or Austrian Winter Peas to grow between the fall harvest time and the spring planting time of the annual crops. On land too poor for cash-crop planting, plant the Vetch or Winter Peas and follow, in the early summer, with cow Peas; or establish a permanent pasture with legumes (clovers and lespedezas) pre-dominating.

The health, the wealth, the very life of our nation springs from its fertile soil—our nation must not die, it must live.



Turning under WINTER COVER CROP OF VETCH—an excellent soil conservation practice.

In these furrows, lie the food of the republic—
On these fields, depend life, health and happiness."
—Watson



Center picture—same WINTER COVER CROP, which was planted in Vetch, at the rate of 17 lbs. per acre, double rows; soil was treated with acid phosphate. Planted in cotton 15 days after turn under.



STRIP CROP of Hubam Clover, planted for erosion control between corn and cotton.

Keep our Lands Fertile

And there will be no abandoned farms, no ghost towns.

For Soil Building

Some clovers add up to 200 pounds of Nitrogen to the soil per acre in a year.

MAGNOLIA CLOVERS

For Grazing-Hay Crops

Clovers provide protein to build beef and to increase milk yield.

Sweet White Flowering Clover

Inoculate with Nitragin "A"

A biennial. Does not bloom first year but can be grazed. Early the next spring you are assured a good pasture, continuing through the summer, or an abundant hay crop. This clover has penetrating roots and will do well even on poor clay soils. Plant in September, October, and February to April, 15 lbs. per acre, on firm seed bed that has been ploughed several months before. Roll lightly after sowing. Pasture Mixtures are much benefited by this clover. It helps keep the soil in good condition and adds extra feed value. Blossoms excellent for honey production. Black lands respond very well to the soil building qualities of Sweet White Flowering Clover which has been inoculated with Nitragin. **Lb. 40c—2 Lbs. 75c—10 Lbs. \$3.00—Postpaid.**

Bur Clover

Inoculate with Nitragin "A"

An annual clover which reseeds itself readily. Sow seed August to November. Highly desirable because of its adaptability to most soil conditions, its fine winter pasturage and its tendency to materially improve soil. This clover should not be planted in pastures for sheep since its burs will reduce wool grade. Under normal conditions we can supply:

California Hulled Bur Clover which is especially adapted for pasture mixtures. Sown at the rate of 15 to 20 lbs. per acre. **Southern Giant Bur Clover in Bur** which we recommend be mixed one pound of burs to a bushel of pulverized manure, and broadcast or spot planted at the rate of 30 to 50 lbs. of burs per acre. Unable to supply until August 1947.

Black Medic or Trefoil

Inoculate with Nitragin "A"

A biennial. Has small yellow blossom. Plant is similar to alfalfa except that it spreads more and lays flat on the ground. Reseeds itself freely even under rather close grazing. Sow 15 pounds per acre in September and October; also in February, March and April. When sown with other clovers and grasses, sow 2 to 3 lbs. to the acre. **Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$6.00—Postpaid.**

Hubam Clover

Inoculate with Nitragin "A"

An annual white flowering sweet clover of very rapid growth. Excellent for both pasture and hay, also honey production, as well as for soil improvement, when inoculated with Nitragin. It is similar in feed value to the Biennial White Flowering clover. Plant in fall or spring, 15 pounds to the acre. **Lb. 40c—2 Lbs. 75c—10 Lbs. \$3.10—Postpaid.**

Melilotus Indica

(Annual Yellow Blossom Clover)

Inoculate with Nitragin "A"

This clover is also called "Sour Clover".

Always Inoculate Clover Seeds with Nitragin



Jersey Cattle on White Clover Pasture

Thrives on wide range of soils. It is extensively used as a cover crop, as it will produce 5 to 10 tons of green matter by early May, to be plowed under. Sow in fall or spring, 15 to 20 lbs. per acre. **Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.60—Postpaid.**

White Dutch Clover

Inoculate with Nitragin "B"

This clover, a hardy perennial, is recommended for pastures by the Texas Experiment Station, particularly for use in East Texas. Plantings made at the Lufkin Station resulted in furnishing an abundant amount of feed from February 1 to well up in May, both for grazing and cutting. Excellent addition to Bermuda Pastures as it provides grazing early and late when Bermuda is dormant. Also a desirable addition to Bermuda lawns. It is also very desirable for honey production and for an early green manure crop. The plant reseeds itself. Plant in fall or spring on firm seed bed or on closely cropped pastures. Sow 3 to 5 pounds per acre. **Lb. \$1.30—2 Lbs. \$2.50—10 Lbs. \$11.80—**

LESPEDEZA

Inoculate with Nitragin "L"

Korean Lespedeza

An annual Lespedeza, the plants of which are larger and show faster growth than any other varieties developing about 30 days earlier than most others. Does well on poor and acid soils and also on black land. Produces excellent grazing in the hot summer months. In producing for hay, fertile soil will give a much greater return. Korean Lespedeza greatly increases the carrying capacity of pasture lands and it is an excellent soil builder, when inoculated. Sow in spring, 25 pounds to the acre. **Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.20—Postpaid.**

Kobe Lespedeza

An annual for grazing or hay crops. Somewhat earlier and more drought resistant than Common Lespedeza, and produces a larger growth. Sow in spring, 35 pounds seed to the acre.

Hop Clover

Inoculate with Nitragin "B"

An annual clover, adapted to a wide variety of soils and climatic conditions. Upright growth, bearing small yellow blooms. Plant September to November—it grows slowly during the winter months but makes rapid growth in the spring and early summer. It does well on sandy waste lands. Grows 12 to 15 inches high. Plant 3 to 6 pounds to the acre. **Lb. 85c—2 Lbs. \$1.65—10 Lbs. \$7.20—Postpaid.**

ALFALFA

Enrich Land and Furnishes
Fine Hay and Grazing

Inoculate with Nitragin "A"

Alfalfa, a perennial, is adaptable to almost any climate and many soils, except acid soils which should be corrected by the use of lime and ample drainage. Deep soils with liberal lime content and low water level are best for maximum alfalfa production.

The deep tap root of Common Alfalfa assures drought resistance and winter hardiness. Alfalfa is not used extensively for grazing but it ranks first in hay production in the United States. Alfalfa, when inoculated, enriches the soil. Sow September to November and February to April. Sow 20 pounds per acre in well prepared, clean, firm soil, covering about one inch with harrow, followed by roller. Keep weeds clipped down with mower until alfalfa thoroughly covers the ground. "Common" is the variety name of the alfalfa most generally planted in Texas and Oklahoma.

Texas Certified or Oklahoma Approved Seed. **Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$5.70—Postpaid.**

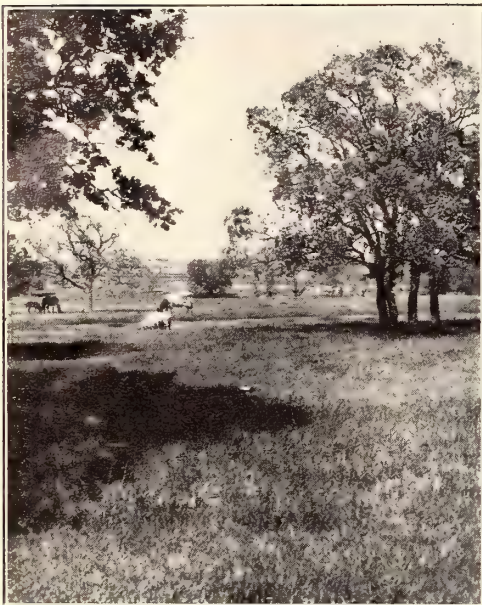
Fancy Grade (State tagged but not Certified) **Lb. 60c—2 Lbs. \$1.15—10 Lbs. \$5.00—Postpaid.**

Sericea Lespedeza

A perennial, excellent for grazing and hay production. Its feeding value is considered equal to alfalfa. Like Alfalfa it is deep rooted and so drought and cold resistant. It will thrive on acid soils where alfalfa will not grow and will produce profitably on poor soils (except poorly drained areas) where alfalfa is unprofitable. It is a soil builder, when inoculated. It yields from 2 to 5 cuttings annually after becoming established, depending upon the soil and climate. It should be planted in the spring when danger of frost is over and sown and cared for like alfalfa. Plant from 20 to 30 pounds per acre. **Lb. 60c—2 Lbs. \$1.15—10 Lbs. \$5.00—Postpaid.**

PASTURES—FOR ECONOMICAL STOCK RAISING

HOW TO GROW PASTURES



Bermuda Grass

Bermuda, a low growing palatable perennial, is especially well adapted to drouth resistant needs of Southwest. It should form the basis of all permanent pastures in the cotton growing South. Thrives everywhere except under shaded conditions or on water-logged or very light, poor, sandy soils. Grows well in combination with other pasture plants. The strong root system helps prevent washing. Plant from February to November: 10 to 15 lbs. per acre of unhulled seeds; 5 to 10 lbs. hulled seeds. For quick germination, plant hulled seeds.

UNHULLED—Lb. 80c—2 Lbs. \$1.55—10 Lbs. \$6.80—Postpaid.

HULLED:—Lb. \$1.00—2 Lbs. \$1.95—10 Lbs. \$8.80—Postpaid.

Buffalo Grass

A perennial which, because of its desirable turf and spreading runners, is in great demand for revegetation purposes. Especially adapted to heavy soils and splendid for grazing purposes, in the plains regions of Texas and Oklahoma. The treated seeds we are offering are of good germination and well adapted for use in this territory. Excellent for combination with other pasture grasses. Plant from February to June, at from 5 to 8 lbs. to the acre.—**Lb. \$1.40—2 Lbs. \$2.75—10 Lbs. \$12.80—Postpaid.**

Carpet Grass

A low growing, broad-leaf perennial, creeping and taking root at every joint. It is better adapted to wet, sour soils and cut-over pine lands than is Bermuda. It prefers sandy or loamy soils where moisture remains near the surface. Makes a splendid permanent pasture and will withstand close grazing without injury. It is not a pest, plowing will kill it. Plant September and October; also February to May, 10 to 15 pounds per acre.—**Lb. 60c—2 Lbs. \$1.15—10 Lbs. \$4.80—Postpaid.**

Fertilization: Pastures can produce only in proportion to quality of the soil. Test your own soil with our Soil Test Kits (catalog page 41). Deficiencies of lime, phosphorus, potash and nitrogen should be supplied with manures or commercial fertilizers and/or inoculated legumes. Phosphorus is especially important because, both the plants and the animals that eat the plants, require phosphorus.

Seeding or Reseeding: A firm seed bed is essential for a good stand from grass and clover seeds, and the covering should be very shallow. Roll the seeds in or use a bush drag or a spike-tooth harrow set for shallow work. Plant Seed Mixtures for continuous grazing.

Judicious Grazing: Before turning in stock, give pasture plants time to get a good start. Avoid excessive trampling in wet weather. Cross-fence and rotate to permit regrowth after heavy pasturing.

Weed Control: Control weeds by disking, harrowing or mowing before weeds go to seed and by spot treatment with Weedicide (2-4D Weed Killer).

Harrowing: Harrow occasionally to spread droppings, prevent patchy growth and keep the soil more uniformly fertile.

Sod Bound Pastures: Pastures sometimes become sod-bound, as indicated by stunted growth and early seeding. The remedy: disc or spike-roll, then fertilize. Reseed thin turf.

To Sum-Up: Select pasture locations easily accessible to barns and water supply . . . Fence and cross fence for rotation . . . Drain or terrace before seeding . . . Prepare your seed bed . . . Use fertilizer to increase production . . . Plant with GOOD seeds suitable to your soil . . . Graze lightly until plants take root . . . Keep weeds down by mowing or spot treatment . . . Reseed often enough to keep pastures producing . . . Treat your pastures as a valuable crop.

GRASSES FOR OLD OR NEW PASTURES

Dallis Grass

Dallis Grass, a perennial, broad leaf, bunch grass, prefers heavy soils, with lots of moisture, but will grow wherever there is sufficient fertility to sustain grass. Difficult to establish, because seeds germinate slowly, and young plants are tender. Once established, it provides unsurpassed grazing, more nearly year-round than any other grass. Stock prefer it; it stops washed places quickly. Not a pest, Dallis permits other grasses and clovers to live, but helps to choke out weeds. Plant any time, except in the drouthy summer, but preferably in spring when danger of frost is past. 5 to 10 lbs. seed to acre.—**Lb. 75c—2 Lbs. \$1.45—10 Lbs. \$6.50—Postpaid.**

Velvet Grass

Also Known as Mesquite
(Not the same as Texas Curly Mesquite)

A hardy long-lived perennial with soft broad leaves, never getting coarse. Grows from 8 to 12 inches high. Especially recommended to sow with other grasses. Provides good grazing or produces a good quality of hay, but if planted alone does not yield as large a tonnage as many other grasses. Drouth resistant and adaptable to most soil conditions. Sow in September or October; also March and April, 20 to 25 lbs. per acre.—**Lb. 45c—2 Lbs. 85c—10 Lbs. \$3.60—Postpaid.**

Rescue Grass

Rescue Grass, sometimes called Prairie Grass, a winter annual bunch grass, leafy and palatable makes a very good winter and spring pasture. It is adaptable to practically any soil condition. Very nutritious and stock like it. Good on culti-

Italian Rye Grass

(American Grown)

An annual bunch grass satisfactory on soil with fertility to sustain grass. Provides unsurpassed winter and spring grazing. If not grazed too closely at seeding time, it will reseed itself. This grass will solve your winter pasture problem. Another use of Rye Grass is as a nurse crop for clovers on land being started to permanent pastures. Seeds should be broadcast on a firm seed bed and harrowed in lightly. Use 28 to 30 pounds of seed to the acre, if sown alone; 10 to 15 pounds when sown with other seeds.—**Lb. 30c—2 Lbs. 55c—10 Lbs. \$2.00—Postpaid.**



A Field of Italian Rye Grass

vated land or in permanent pasture mixtures. Reseeds itself, and will come up the following fall after dying out in late spring. Broadcast from October to May, 20 to 25 pounds per acre.—**Lb. 55c—2 Lbs. \$1.05—10 Lbs. \$4.50—Postpaid.**

PASTURES—FOR RECLAIMING WASTE ACRES

Magnolia Permanent Pasture Mixtures

TESTED AND PROVED
FOR EACH SECTION

North and Central Texas—Bermuda, in North and Central Texas, may be established from seed or may be sodded in clumps, and since it spreads very rapidly, you get a good stand quickly. If you sod, or if you already have a Bermuda stand, plant our Pasture Mixture for North and Central Texas. This consists of Rye, Dallis, and Rescue Grasses, Hubam, Spotted Leaf Bur, and Sweet Clover. Sow at the rate of 20 to 30 pounds per acre. **1 Lb. 55c—2 Lbs. \$1.05—10 Lbs. \$4.40—Postpaid.**

East Texas Sandy Uplands—In this section, also, it is very desirable to have a Bermuda base. Our mixture consists of Rescue, Dallis, and Rye Grasses and Hubam, Lespedeza and Spotted Leaf Bur Clovers, which should be sown at the rate of 20 to 25 pounds per acre.—**1 Lb. 70c—2 Lbs. \$1.35—10 Lbs. \$5.80—Postpaid.**

East Texas Black Lands—Mixture consists of Bermuda, Rescue, Rye and Dallis Grasses, and Hubam, Hop and Sweet Clovers. Sow at the rate of 20 to 25 pounds per acre. Where a stand of Bermuda is already had, the mixture may be ordered without the Bermuda Grass Seed.—**1 Lb. 65c—2 Lbs. \$1.25—10 Lbs. \$5.50—Postpaid.**

Bottom Lands in Southeast Texas—Our pasture mixture for this territory consists of Bermuda, Rye, Dallis and Carpet Grasses, and Lespedeza, Hop, White Dutch and Hubam Clover. Sown at the rate of 20 to 25 pounds to the acre.—

1 Lb. 65c—2 Lbs. \$1.25—10 Lbs. \$5.30—Postpaid.



Kentucky Blue Grass

A long lived perennial. Succeeds best on limestone land, but does well on stiff clay and medium soils. Needs considerable moisture. We do not recommend planting alone in Texas, since it does not stand extreme heat well. Good results are obtained when planted in shady places both in pastures and lawns. Plant 35 pounds to the acre, in the fall of the year.—**Lb. \$1.40—2 Lbs. \$2.75—10 Lbs. \$12.80—Postpaid.**

Red Top or Herd's Grass

A perennial of creeping habit for hay making or winter pastures and green winter lawns. It is recommended for heavy, moist lowlands, as it withstands wet weather but also does well on most any good rich soil. It is tolerant of acid soils. Grows about 2 feet high. Sow Broadcast 15 to 20 lbs. per acre.—**Lb. 45c—2 Lbs. 85c—10 Lbs. \$3.80—Postpaid.**



Sudan Grass

NOTE:—Bur Clover in the wool of sheep penalizes the producer. If you plant to pasture sheep, order Pasture Mixture less Bur Clover and other seeds will be substituted. Because of shortage of Black Medic, it may become necessary to substitute on this item.

Johnson Grass

It is hard to eradicate in the South. Continues to grow year after year from the roots except in climates with zero temperatures. Makes very fine hay, withstands drouth and is very prolific.—**Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.30—Postpaid.**

SUDAN GRASS— For Grazing and Hay

Sweet Sudan

Sweet Sudan, an annual, is a cross between Leoti (a sweet sorghum) and common Sudan. It produces abundant forage of high sugar content, very palatable to cattle. Leaves are broader, and it stools more heavily than common Sudan. Seed is resistant to foliage diseases. This grass proved productive and very desirable the past two seasons. Plant from 8 to 10 lbs. per acre in row—35 lbs. when broadcast.—**Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.50—Postpaid.**

Common Sudan

An annual. Being hardy, it may be planted wherever there is sufficient fertility to produce cotton or corn. Survives drouth remarkably well. For hay, sow broadcast and harrow in, using from 20 to 25 pounds of seed per acre. Grass should not be grazed until plants are from 15 to 18 inches high. Plant when soil is warm from March to July. Sudan is a splendid forage crop, that has proved of immeasurable value to Texas farmers. For temporary pasture or supplemental grass and hay, it is thoroughly dependable. Our seeds are pure, true to type and free from all noxious weeds, and Johnson Grass. **Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.65—Postpaid.**



Dairy Herd on Sudan Grass

See Special List for Larger Quantity Prices.

WINTER SOIL BUILDERS—ROOTS FOR FEED

MAGNOLIA WINTER VETCH

Inoculate with Nitragin "C"

One of the most important legumes for soil building, it is also a valuable addition to supplemental grazing programs. Vetch prefers a well drained soil but it is adaptable to and tolerant of many kinds of soils including alkaline soil.

The method of planting and cultivating Vetch has a tremendous influence on the growth, weather hardiness and final yield. First in importance is inoculation of the seed with Nitragin; then the application of 150 pounds or more of 20% Phosphate, to the acre, is essential for maximum production. Loosen the soil from 3 to 5 inches; plant seeds not less than two or three inches deep; sow 20 to 25 pounds of seed per acre from August to November for winter pasture and soil improvement, and in the early spring for summer pasture. We recommend equal amounts of Vetch and Oats sown together so the Vetch will have proper support in growing. When crop is turned under in the spring for green manure, disc or harrow the land before planting another crop.



Hairy Vetch

Hairy Winter Vetch—(1946 Crop very short)—Proved the best of the vetches in five years of tests in the Texas Agricultural Experiment Stations. This variety not only produces the highest yields during each year of the test, but was more dependable during periods of cold weather and other adverse climatic conditions. Under average conditions yielded from 8 to 10 tons per

acre; 12 to 14 tons were not unusual and 19 tons have been recorded.—**Lb. 40c—2 Lbs. 75c—10 Lbs. \$2.80—Postpaid.**

Common Vetch—Not quite so hardy as Hairy Winter Vetch but very fine and well adapted to most of Texas and available from 1946 crop.—**Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.70.**

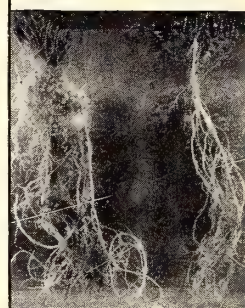
AUSTRIAN WINTER PEAS

Innoculate With Nitragin "C"

Austrian Winter Peas resemble the Early English Pea in seed size and the Canada Pea in character of vine. Earnestly recommended as a winter legume cover crop for soil improvement, when inoculated with Nitragin. Austrian Winter Peas thrive even after being subjected to zero temperatures. Do well on most any soil and grow from 4 to 5 feet tall on fertile soil. Provide excellent grazing for live stock or a good hay crop or an outstanding green manure crop. Fruit growers report remarkably increased fertility following a winter's growth of inoculated

Austrian Winter Peas, planted in orchards and plowed under in the spring. Plant from September to November also in the spring. 30 to 35 pounds to the acre when planted alone. If planted following a cultivated crop, it is not necessary to plow the ground, simply disc or harrow and cover the seeds lightly with a drag or roller. We recommend planting with Rye, Barley or Wheat to hold the vines off the ground. A bushel of small grain with 20 to 25 pounds of Austrian Winter Peas to the acre.—**Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.30—Postpaid.**

Effect of "NITRAGIN" on Hairy Vetch
Inoculated Not Inoculated



EARLY SPECKLED VELVET BEANS

Inoculate with Nitragin "E"

Very fine for a forage crop and a good soil builder. Grow very rapidly and are more prolific than most forage plants. Stock relish the vines and will fatten on them. When plowed under, they furnish abundant plant

food and humus. Fine for planting in corn. Plant in rows 3 to 5 feet apart, 15 to 30 pounds per acre, March to June.—**Lb. 35c—2 Lbs. 65c—10 Lbs. \$3.30—Postpaid.**

MANGEL WURZEL BEETS

CULTURE — Plow your land deep and prepare thoroughly. Plant early in the spring in rows 1½ to 3 feet apart and cover the seed about 1 inch. Cultivate frequently. When about three inches high, begin thinning and continue at intervals until the roots stand from 8 to 12 inches apart in the rows. Use an ounce to 100 feet or from 3 to 6 pounds per acre.

Mammoth Long Red — Roots are very large, uniformly straight and well formed. Flesh is white, tinged with rose. This variety is preferred by hog raisers, because of its enormous tonnage. It yields a greater tonnage per acre than other sugar content is lower. Keeps well and is nutritious.

Giant Half Sugar — Another very good variety. It yields a large crop of roots high in sugar yield. The roots are light bronze above the ground and grayish white below with white flesh. This beet, growing largely out of the ground, can be harvested earlier than any other Mangel crop. Good either for the dairyman or the hog raiser.

Sludstrup—Highest in sugar content and the best variety for the dairy farmer. Creamy white. Enormous yield. Under drouth conditions manages to survive and make yields when rains come.

Prices above varieties—Pkt. 10c—Oz. 10c—¼ Lb. 35c—Lb. \$1.00—Postpaid.

ROOT CROPS

ENORMOUS YIELDS — EXCELLENT FEED

Root crops increase milk production and fatten stock. Especially well adapted to Texas soils. Roots yield an immense amount of valuable feed. No larger tonnage per acre can be secured than that grown from the Stock Beet. In an extremely drouthy summer, a customer reported 13 wagon loads from a little over an acre of Mangels. Grow in almost any soil but deep loams are necessary for heavy yields of the long variety.



Mangel Wurzel

STOCK CARROTS

The Stock Carrot is another very valuable root for increasing milk production and fattening stock. Texas Experiment Stations are recommending root crops to dairy and stock men and hog raisers everywhere.

White Belgian—The finest carrot for stock feeding, roots averaging fourteen inches in diameter at the crown, tapering very slightly downward. Flesh and skin are white, tinged with green on the upper portion. Provide abundant feed for your stock — and especially desirable for dairy cattle.

Pkt. 10c—Oz. 15c—¼ Lb. 55c—Lb. \$1.60—Postpaid.

COW PEAS—For Table Use • Stock Feed • Soil Improvers

Inoculate with Nitragin "E"

Cow Peas are the outstanding soil builder and general hay crop for summer planting. They thrive on practically every kind of soil and, when properly inoculated, they are a low cost and sure means of improving soil. In food value, they are nearly the equal of Alfalfa—fine for work stock, meat and dairy cattle. Can be planted from March to August, broadcast 60 to 90 lbs. of seed per acre or in rows 3 to 4 feet apart 20 lbs. of seed to the acre.



Cow Peas—Inoculated and not Inoculated

TABLE AND FIELD VARIETIES

Brown-Eye Crowder — Sometimes called sugar Crowders—although the pure white is the real sugar Crowder. Bears much larger quantities than the white Crowder and very desirable.

½ Lb. 30c—Lb. 60c—2 Lbs. \$1.15—
Postpaid

Cream—Extensively used for table. Prolific bearer and used green or dry; also good soil builder. Produces 4 to 5 inch pods; 7 to 8 peas to pod; very tender and of good flavor when young.

½ Lb. 30c—Lb. 60c—2 Lbs. \$1.15—
Postpaid

Black Eye—The most prolific and widely used of any of the varieties. Pods 5 to 6 inches long, average 9 peas to pod.

½ Lb. 30c—Lb. 60c—2 Lbs. \$1.15—
Postpaid

Hereford (Pole-Cat Pea)—Also known as "Calico Pea." A type similar to the Crowder pea—very fine for table use. Speckled red and white in color. One of the most drought resistant types. Particularly well adapted to West Texas.

½ Lb. 30c—Lb. 60c—2 Lbs. \$1.15—
Postpaid

DESTROY THE COW PEA WEEVIL

Texas Cowpea growers lose thousands of dollars each year as the result of Cowpea Weevil damage. Much of this loss can be avoided through simple control methods; especially if the controls are applied by your neighbor as well as yourself. The control program consists simply of clearing from the farm, not later than March 1, all dried, untreated peas, all pea hay or straw, and all trash from the fields. If not eliminated, all these things serve as breeding places during the summer or crop growing season, developing Weevil Beetles which fly into the fields to attack the new crop. Clean-up must be thorough and co-operation from near neighbors is important to the success of

Brown Crowder — A fine flavored table pea, early maturity. Very prolific. Pods average 7 inches, 8 to 9 peas.

½ Lb. 30c—Lb. 50c—2 Lbs. 95c—
Postpaid

Purple Hull Peas—Especially fine for canning. Pods average 7 inches, 8 to 9 peas, cream colored, with a purple brown eye. Hulls are purple and somewhat tough.

½ Lb. 30c—Lb. 50c—2 Lbs. 95c—
Postpaid

FIELD VARIETIES

Brabham — An early wilt-proof, disease-resisting variety. Very similar to Whippoorwill except much smaller seed, requiring less for planting a given acreage. When planted early, two cuttings of hay can be had. Pods average 6 inches, 11 peas to pod.

Chinese Red — A very prolific, splendid hay pea, 6 inch pods, 8 peas to pod. This pea is offering much greater yields than many other varieties.

Clay—Medium sized pea of running habit. Exceptionally good as a soil builder. Vines long and leafy. Matures a little late. 6 to 7 inch pods, average 8 peas to pod.

Speckled Whippoorwill—The most popular and widely grown early variety. Grows upright, easily gathered. Brown speckled pea. 5 inch pods, average 5 peas to pod.

Mixed Peas—A mixture of the principal varieties. Very popular for hay and cover crops.

Lb. 45c—2 Lbs. 85c—Postpaid

the program. If you keep dry peas on the farm, fumigate them as often as necessary, with Cyanogas. Feed up, plow under or burn every bit of pea hay, straw and trash. There will then be no Weevil Beetles develop to fly into the growing fields and infest the growing crop. Clean up your own place, organize your neighbors to clean up theirs, and have weevil free peas.

SOY BEANS

Improve Soil—Produce Oil and Meal—
Abundant Hay Crop

Inoculate with Nitragin "S" for
Increased Yield.

CULTURE—Plant from April to July and in planting put the seed to moisture, even if necessary to plant three to four inches deep. Shallow planting is best if moisture is available. When planting the yellow and white varieties, plant 30 pounds per acre in 36 inch rows for beans and seed; broadcast for hay, 60 to 75 pounds per acre. Of Laredos and Red Tanners plant from 30 to 45 pounds per acre depending on richness of the soil.

Macoupin—110 to 115 days. Earliest maturing yellow bean, and therefore very satisfactory to plant where it is to be followed up with winter grain crop on same land. Bean slightly smaller than Mamloxi. Oil content high. Has been known to yield 28 to 35 bushels per acre in adapted territory.—Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—Postpaid.

Mamloxi—140 to 145 days. Large yellow bean with light brown eye. Plant erect and bushy and makes good hay, although the hay is rather coarse. Production 30 to 35 bushels per acre.—Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.55—Postpaid.

Southern Laredo—130 to 145 days. Small black bean which has produced hay yields of 2.07 tons per acre. Very fine quality hay. Shatters badly and must be harvested when ready or a considerable loss will result.—Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.95—Postpaid.

Red Tanner — 135 days. A hay bean of much value. Reddish-brown seed, which is produced in great quantity. A fine quality of hay which is claimed to be most palatable. Leaves hold somewhat better than the Laredo. Quite resistant to weeds also.—Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.95—Postpaid.



CAUTION—Be sure to get Southern grown soy bean seed, for Northern grown seeds produce less than half the yield of Southern seeds.

MUNG BEANS

Inoculate with Nitragin "C"

Mung Beans are upright in growth, strong and vigorous, free from disease and make excellent hay and are splendid soil builders. Mung Beans are suitable for table use, the flavor being quite similar to that of Cow Peas. They are also used extensively for sprouting as the sprouts are required in the preparation of many Chinese dishes. The beans mature in 90 to 100 days. Plant seeds March to August, 5 pounds to the acre drilled in rows three and one half feet apart.

Lb. 40c—2 Lbs. 75c—Postpaid.

DWARF ESSEX RAPE

Rape is one of the most valuable green feed crops. Well liked and highly nutritious for horses, cattle, sheep and hogs, also chickens. Plants grow to a height of from 1 to 4 feet depending on condition of soil and climate and furnish surprisingly abundant grazing, producing from 10 to 25 tons of green forage per acre. An acre will pasture 20 hogs for two months. Leaves grow very rank and succulent and are sweet and tender. The crop is not injured in ordinary winters in the South and will withstand summer heat very well. Rape also makes a delicious green food for humans, when cooked like other



Grazing Dwarf Essex Rape

greens. Fall seeding is best, but early spring sowing is successful. Sow in drills, or broadcast, 5 to 8 pounds to the acre.

Lb. 40c—2 Lbs. 75c—10 Lbs. \$2.75
Postpaid

BROOM CORN

Plant 4 to 6 seeds in hills, 30 to 36 inches apart, rows 40 inches apart. Thresh the same day planted and cure in dry frames for about a week before bailing.

Scarborough Dwarf — Preferred in most instances because of its fine smooth bush. Produces less seed than other varieties, allowing cleaner threshing.

Standard Evergreen — Produces a fine green brush and usually commands the highest price. Very early. Well fibered, a good drouth resister and easy to thresh.

Lb. 50c—2 Lbs. 95c—Postpaid

WINTER SMALL GRAINS

Small grains, provide a great amount of fresh green feed, high in protein content, digestible and nutritious, available at times of the year when pastures are more or less dormant. There is a proper place for small grains, for pasture, on practically every farm in Texas, even in areas where grain production is not feasible.

OATS

New Nortex Oats—an improved strain of Nortex Red Rust Resistant Oats, developed at the Denton, Texas, Experiment Station. Recommended for both fall and spring planting, for all of Central Texas, especially the Black Land area. New Nortex Oats provide excellent winter pasture and, for grain production, the variety is a top yielder of heavy oats. Plant September to November or January and February, 3 bushels to the acre.—See Quantity List for Prices.

RYE

Plant September to November, 1 to 1½ bushels per acre.

Abruzzi Rye—Recommended for North and Central Texas because of its high yield, upright habit of growth, abundant stooling, quick readiness for grazing, and resistance to cold.

Balbo Rye—Recommended with Abruzzi, especially for its upright habit of growth, coupled with rapidity of development for early pasturage.

USE

ARASAN

ON

Seed Peanuts

as the commercial
growers do

TO PREVENT SEED DECAY

See Page 38



USE

NEW IMPROVED

CERESAN

on all small grains

WHEAT — BARLEY

OATS — RYE

SORGHUM GRAINS



See Page 38

BARLEY

Wintex Barley—An intermediate winter variety, developed at the Denton, Texas, Experiment Station. Recommended for fall planting in North and Central Texas. It may also be planted in the spring, if winter killing of fall seeding occurs. Wintex Barley provides good winter pasture and outstanding grain yield. Barley grain, when ground, is nearly equal to corn in feeding value. Plant September to November, 1½ to 2 bushels per acre.

SEE SPECIAL LIST FOR PRICES

BUCKWHEAT For Bees and Poultry

This nourishing plant should be more generally grown in the South. May be sown in early spring or late summer, maturing in about two months. Yields large quantities of grain and the flowers provide exceptionally fine food for bees. Extensively used for a green manure plant. Buckwheat tends to smother weeds out, and it will produce a crop with very little rainfall. Buckwheat flour is of fine quality and much in demand. Plant March to May or in August at the rate of 48 pounds to the acre.

Lb. 40c—2 Lbs. 75c—10 Lbs. \$2.95
Postpaid

PEANUTS

Inoculate with Nitragin "E"

For medium light, loamy or sandy land, peanuts are one of the most profitable crops that can be grown. Often yield as much as fifty bushels per acre on land too poor to plant corn. Produces ordinarily about a ton of excellent forage per acre in addition to the crop of nuts. In harvesting plow the peanuts and then stack against stakes stuck into the ground, the roots with the peanuts on them to the center and the leaves outside.

Tennessee Long Red—Does well on black waxy land as well as sandy soil. Larger in size, with greater numbers of nuts than most varieties grown in the South. A splendid commercial variety and very

productive. Use 25 to 30 pounds to the acre.—Lb. 40c—2 Lb. 75c—10 Lbs. \$3.25
—Postpaid.

Spanish Peanuts — This variety grows compactly, making them easy to cultivate. While nuts are small, they are sweet and of fine flavor, and contain a high percent of oil. "Pops", so common in larger varieties, are seldom found in the Spanish. The best crop in the South for fattening hogs, and no Southern farm, where stock is raised, should be without them. Pods usually contain two nuts or kernels and adhere well to plant when digging. Plant 30 to 40 pounds to the acre.—Ask for prices.

POPCORN

A very profitable crop. Yields well even in unfavorable weather. Cultivate the same as field corn. May be planted from March to May. One pound will plant 200 feet of drill; 6 to 8 pounds to the acre.

South American—100 days. Very popular variety on account of its rich yellow color. It is the standard yellow pop corn for the South. Pops into a very large white fluffy piece. Ears 5 to 6 inches long.

Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.25
Postpaid

White Hulless or Little Buster—80 to 85 days. A very prolific white variety used to a great extent by commercial poppers. Ears 4 to 5 inches.

Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.55
Postpaid

WHEAT

Plant September to November, 1 bushel to the acre.

Austin Wheat—a variety of soft, red, winter wheat developed by the Texas Agricultural Experiment Station. Highly resistant to rust, non-shattering, and stands well for combining. Excellent as a winter pasture and cover crop, and is satisfactory for milling purposes.

Tenmark Wheat—A hard, red, winter wheat recommended for North Central and Northwest Central Texas.

MAGNOLIA HYBRID CORNS

Texas Bred—They're Big—Like Texas

**BIG IN YIELD—TESTS SHOW 20% TO 50% MORE CORN
PER ACRE THAN OPEN POLLINATED VARIETIES**

Our HYBRID SEED CORNS, bred in Texas, are the most adaptable to the soil and climate of the Southwest. Our seeds are scientifically bred to give uniform ears, the highest grain shell-out, and corn of the best feeding quality. Our strains are resistant to drouth, ear worms, insects, and weather damage. All seed new crop, grown in 1946. You may select the Hybrid best suited to your soil, climate and growing conditions, from the descriptions below.

Magnolia's Texas No. 8

A yellow, double-top cross between two in-breds and native yellow Surcropper. Recommended for the Black Land, and for West Central Texas, and wherever drouth resisting corn is needed. Medium soft grain, light yellow color.

Magnolia's Texas No. 12

A four way cross, Yellow Dent type corn that is especially well suited for rich, flat and bottom land, of good fertility and sufficient moisture, where the climate is suitable for growing Yellow Dent Corn. Produces uniform ears with mellow grain of golden color, small kernels with the very highest feeding value.

Magnolia's Texas No. 18

This is the largest ear and produces a larger, softer grain than the No. 8 and No. 12 Texas Yellow Hybrids. All four inbred parents were developed from Texas varieties. Like No. 8, No. 18 is a good drouth resister, and outstanding for hybrid vigor. Uniform ears and deep golden colored grains. Plant where yellow Dent varieties do well.

Magnolia's Texas No. 20

Grown for the first time in 1945, No. 20 is a yellow corn very similar to No. 18, though it seems to be more widely adapted, producing very satisfactory yields wherever tested. No. 20 has a heavy root system and good shuck protection. Large, medium soft grain, of deep golden color.

Magnolia's Texas No. 9-W

This is the best white Hybrid form 4 of Texas' finest inbred strains. It has almost perfect shuck coverage, more resistant to ear worms and weevils than any other Hybrid. Early maturing, a good drouth-resister and well adapted to all corn growing areas in Texas. It's a favorite of all Hybrids for roasting ears.

— IMPORTANT NOTE —

While Hybrid Seed Corn produces unusual yields and splendid quality grain, it does not produce good seed stock. The maximum results in yield are obtained the first year. The second year's planting will prove disappointing. New Hybrid Seed Corn should be obtained from Magnolia Seed Company each season. Your land can produce more corn each year if you will plant fresh Hybrid Seed direct from our producer's crossing blocks.



Note 2 and 3 Ears to Stalk

Prices Delivered to you

½ Bu. Flat Grains	\$5.25
1 Bu. Flat Grains	9.50

MAGNOLIA OPEN POLLINATED SEED CORN

**CORN IS ONE
OF OUR MOST
IMPORTANT CROPS**



It takes only 1 bushel of corn to seed 8 acres. You cannot afford to plant inferior seed. Good seed costs only a few cents more per acre than poor seed, yet the yield can easily double or triple the cash returns from the crop. We recommend Southern grown seed in most instances, however, where the prime need is for early maturity, we can supply Northern grown corn.

SEMESAN JR.

**THE RECOMMENDED TREAT-
MENT FOR SEED CORN FOR
MANY YEARS**



**ARASAN
and
ARASAN-SF
THE NEW
TREATMENTS
FOR SEED CORN**

No matter whether you plant hybrid or open-pollinated seed corn, you can expect better results when it is treated with SEMESAN JR. Applied as directed to mature, dried seed, it reduces seed rotting and seedling blight, gives sturdy and more uniform stands, has increased yields an average of 4 bushels an acre. Costs only 1-1/5¢ an acre. Treat now; plant when ready.

Southern Grown Corns

Yellow Corn

Extra Early Yellow Dent—90 days. Developed in Oklahoma from Reid's Yellow Dent. Grains narrow and deep, and very closely packed on large ear. After several years experience with this strain, we recommend it heartily as it has proved to be a heavy yielder, even under adverse conditions.

Large Grain Yellow Dent — 115 to 125 days. For those who prefer large grain Yellow Dent, we have our regular strain which has proved most satisfactory to our customers over many years. Good yields of fine, large, yellow grains, high in feeding value. Recommended as the best open pollinated yellow corn for the more fertile lands.

Yellow Surecropper — 100 to 110 days. Yellow Surecropper is an early maturing, drouth resistant variety which will make some kind of a crop even under very unfavorable conditions. Well suited to the less fertile upland soil where it is much more dependable than Yellow Dent varieties. Rich in vitamin content, with an almost pure yellow grain.

Golden June—100 to 110 days. A yellow grain version of Mexican June, probably the most drouth-resistant of all corns. Especially adapted to West Texas, and is the standard yellow corn for late planting in East Texas and Oklahoma.

Red Corn

Red June—110 to 120 days. This variety of June corn is very popular, principally because of its drouth-resistance. Slightly larger than that of the Dwarf Mexican June.

Bloody Butcher—120 to 130 days. Second in vitamin content to Magnolia Yellow Dent. 14 to 18 rows to the ear. Deep, full, red grains producing a large yield.

White Corn

Surecropper—100 to 110 days. Its early, drouth-resisting qualities make it desirable for summer planting in grain stubble, as well as spring planting. Medium large ear; large, white grain on white cob.

Drouth Resistant—100 to 110 days. Especially adapted to the drouthy conditions of Texas. Makes a sturdy, heavy-bladed plant, with larger than average ears; white grain, slightly dented. Desirable for roasting ears.

Chisholm Red Cob—115 to 125 days. A native variety; large ear; large, deep, creamy white grain on red cob. Has no equal as a milling corn.

Silvermine—90 to 100 days. Adapted to this area, from Northern corn, through continuously improved selections. Makes a fine roasting ear. Ears are large and, turning down on the stalk, are highly resistant to ear-worm and moisture damage.

Dwarf Mexican June—100 to 110 days. A dependable drouth-resisting corn, which may be planted the latter part of May, June and July, with expectation of a good yield. It is popular for stubble planting and makes fine roasting ears.

Blue Corn

Squaw Seed Corn—105 to 115 days. Natural drouth-resisting variety. Grains are a combination of colors mostly blue and white. Large ears, good yield. Plant any time from March to August. Compares favorably with Mexican June Corn for later planting.

Arasan protects seed corn from seed and soil-borne fungus diseases, reduces losses from seed decay and damping off, and, in addition, is effective in repelling and killing the most important insects which commonly infest stored seed. Arasan gives continuous protection—neither its disinfectant or insecticidal properties deteriorate in storage.

Arasan SF—the new wettable Arasan, applied without dust, coats the seeds thoroughly and uniformly, when used in the new Gustafson Slurry Treater, which brings the seed out dry enough to be sacked or stored immediately, under the same conditions as untreated seed. Further information and prices sent on request.

Northern Grown Corns

Reid's Yellow Dent—90 to 100 days. This is one of the most popular corns in the United States, and is much used in the South due to early maturity. Produces a good size ear with butt and tips almost entirely covered. The cob is small and the yellow kernels are deep and closely packed.

Goldmine—90 to 100 days. Bright golden yellow kernels. Ears of good size with small cob. Hardy and quick maturing and a good yielder.

Silvermine—90 to 100 days. A white corn giving splendid yields. Very hardy and quick maturing. The ears are of good size with small white cob and with deep, pure white kernels.

Early White Pearl — 85 to 100 days. Largely used for roasting ears, but also for feed. White Pearl is the earliest maturing corn on the market. It produces large, uniform ears, with pure white kernels.

SEE SPECIAL LIST FOR PRICES

STANLEY'S CROW REPELLENT MAY BE APPLIED TO TREATED OR UNTREATED SEED, JUST BEFORE PLANTING, TO REPEL BIRDS, INSECTS AND RODENTS

SORGHUMS—FOR ENSILAGE—FODDER—SYRUP

Syrup Canes

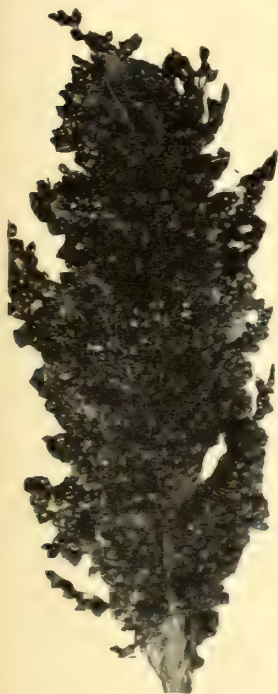


Red Top Sumac

Popular Fodder Canes

Red Top or Sumac—110 days. Formerly the principal forage crop of the Southwest, but gradually yielding acreage to newer sorghums. Slender stalks and abundant leaves, combined with drouth-resistant features make it a mighty fine fodder. Yields 4 to 6 tons dry forage per acre. Plant 6 to 8 lbs. to acre in rows, 50 lbs. broadcast.

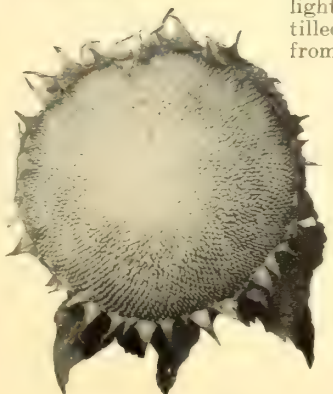
Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.75—Postpaid.



Black Amber—95 days. A very popular Saccharine Sorghum for early green feed or ensilage. It is the earliest sort and makes fine hay, green or cured, which is relished by stock. Will yield 2 to 3 cuttings each year, stooling out thicker each time it is cut. Plant 8 to 10 lbs. to acre in rows—50 lbs. broadcast. Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.75—Postpaid.

Early Orange—100 days. A later variety than the Black Amber, which is also used for forage and hay. It is somewhat taller and the stalks are heavier. A splendid producer, but not quite so popular as Black Amber because it is later. Plant 8 to 10 lbs. to acre in rows—50 lbs. broadcast. Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.75—Postpaid.

Mammoth Sunflower



Egyptian Wheat (SHALLU)

130 days. Also known as Chicken Corn. Growers of this plant are enthusiastic about it, not only for chickens, but also for fattening out hogs, claiming it produces superior meat. Grows tall and produces 3 to 6 stalks from one root. Sow 8 to 10 lbs. per acre in rows.

Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.75—Postpaid.

These triple purpose canes make money for producers. Used for syrup production, ensilage, or seed and dry forage. For syrup, cut just before seeds ripen, as there is more saccharine at that stage. Plant 5 to 10 lbs. per acre, and cultivate like corn. Chop like cotton, leaving plants 12 to 15 inches apart in the row.

Japanese or Honey Drip—125 days. Makes 150 to 200 gallons of syrup per acre; or 10 to 15 tons of green forage; or 800 to 1200 lbs. of seed. Grows very tall with many joints in the stalks and with a vigorous root system. Especially recommended for ensilage, as well as for syrup. For ensilage sow 12 to 15 lbs. per acre; for syrup 5 to 10 lbs. **Golden Rod or Sugar Drip**—A cane which produces an excellent flavored and beautiful amber-colored syrup, with an approximate yield of 200 gallons per acre. Does not make as much green forage as the Honey Drip but is highly recommended for syrup. Planting instructions same as for Honey Drip.

Prices above varieties—Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.50—Postpaid.



Honey Drip Cane

Magnolia Millet

Quick growth of millet makes it very desirable for hay and pasture—particularly in times of drouth. Plant from April to August. For seed and to produce large heads, sow from 5 to 10 lbs. to acre, broadcast about 50 lbs. to the acre.

Pearl or Cat Tail (Pencilaria)—Especially recommended for a continuous cutting forage plant. Grows very tall but if cut when 3 to 4 feet high, will stool rapidly and can be cut three or four times in one season. Plant 8 to 10 lbs. per acre in drills 3 feet apart or sow broadcast 20 to 30 lbs. per acre. Do not sow before May.

Lb. 30c—2 Lbs. 55c—10 Lbs. \$1.95—Postpaid

Magnolia Big Texas—Now recognized as the finest quality, becoming more popular each year. Produces extra large heads and grows rank, 4 to 5 feet tall. Big Texas is the best variety for hay, for which it should be cut when in full bloom. On good soil, a yield of five tons per acre is not unusual.

Hog or Manitoba—This variety produces an extra large head and grain; high in feeding value for stock or poultry. You should find a very ready market at all times for this variety. Much of this millet used commercially still comes from the north.

Prices above varieties—Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.45—Postpaid.

MATURITIES ARE APPROXIMATE

Mammoth Russian—Produces an enormous head, from 12 to 20 inches in diameter. On light, well drained, well tilled, fertile soils yields from 30 to 50 bushels per acre.

Plant and cultivate as you would corn. May be planted some earlier, using 5 to 10 lbs. per acre. As a poultry feed mixed with other grains it has no equal.

Lb. 35c—2 Lbs. 65c—10 Lbs. \$2.45—Postpaid



Big Texas Millet will provide a very early hay crop, splendid early pasture. A yield of five tons per acre is not unusual.

TREAT ALL SORGHUM SEEDS

with

CERESAN

(See Catalog Page 38)

GRAIN SORGHUMS

Plainsman Combine Milo

100 to 105 days. This variety continues to lead in popularity, particularly in the northern and western parts of the state. It continues to show the same uniformity, which is such an important factor in Combine Milo. Plainsman repeatedly attains yields that are outstanding by comparison, and the stouter stalks stand up longer awaiting the harvester. Plainsman produces grain of fine quality and fodder that is well liked by livestock. The latest evidence confirms our previous conviction that Plainsman can be grown with more success than any other Combine Milo. We recommend it for grain production, wherever the combine type of milo is wanted. We produce the seeds we are offering on our own West Texas farm. Plant April to June, in rows, 8 to 10 lbs. to the acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid.

Double Dwarf Milo Arizona State Certified

100 days. Preferred by many because of the ease with which it can be headed. Plants grow uniformly about three feet in height with smaller stalks than the Dwarf Yellow Milo. Arizona Double Dwarf is a very heavy yielder of grain with large full-grained heads. Its early maturity makes it especially desirable under unfavorable weather conditions or for late planting. State certification of our seed means quality of type and productivity. Plant April to June, in rows, 8 to 10 lbs. to the acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid

Early Hegari Arizona State Certified

105 days. Identical in type to our regular Hegari, but where early frosts are encountered, yields are increased by planting the Early variety. For late plantings (June) Early Hegari usually has shown forage production about equal to regular Hegari, but substantially heavier grain production. State certification of our seed ensures uniformity and maximum productivity.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid



Arizona State Certified Hegari

Martin's Combine Milo

95 days. A very early maturing variety which suckers very little. Resistant to Pythium Root Rot. On the basis of average yield, Plainsman Milo is a substantially heavier producer than Martin's, however, the Martin's head dries out and threshes well early in the season, which reduces the hazard of possible bad weather with damage to the grain. This latter quality makes Martin's the preference of a considerable number of growers. Our Martin's strain was produced on our own West Texas farm. Plant April to June, in rows, 8 to 10 lbs. to the acre.

Lb. 25c—2 Lbs. 45c—10 Lbs.
\$1.50—Postpaid.

Blackhull White Kafir

120 days. A good non-saccharine variety. It grows upright strong stems, with broad leaves, plants usually reaching 4 to 5 feet in height and making an excellent fodder. Kafir yields a heavy grain crop of good feeding value. It is adaptable to most kinds of soils. Plant April to June, 8 to 10 lbs. per acre. 8 to 10 lbs. per acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid

Darso

110 days. A dwarf variety with large stalk and heavy foliage. The stalk is straight and juicy and contains about 12 per cent saccharine, making it especially good for forage and excellent for ensilage. Drouth resistant. Darso yields 3 to 5 tons per acre of dry forage, and 30 to 40 bushels of grain. Plant April to July, 8 to 10 lbs. per acre in rows, or broadcast 50 lbs.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid.

Hegari Arizona State Certified

115 days. Hegari is one of the most important varieties of grain sorghum in the Southwest. It produces an enormous crop of grain under favorable conditions, and a large yield of excellent fodder even under somewhat unfavorable conditions. Normal yield ranges from 8 to 12 tons of green forage per acre. The large heads of creamy white grain do not shatter, and the numerous large leaves and juicy sweet stalks are relished by livestock. Many growers are harvesting Hegari with combines. State certification of our seed ensures heavy yields, in comparison with ordinary seeds under like conditions. Plant April to July, 8 to 10 lbs. per acre in rows, or broadcast 50 lbs.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid

THE GREAT SOUTHWEST FEED CROP



Field of Plainsman

Feterita

105 days. A non-saccharine forage and grain producer, well adapted to Black Lands, as well as the Western sorghum-grain belt. Drouth resistant. Grain yield, 20 to 30 bushels, dry forage 3 to 4 tons per acre. Also recommended for ensilage.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid

Atlas Sargo

90 to 95 days. Fine saccharine variety, which is especially recommended for ensilage, as it grows from 7 to 8 feet high and the yield of forage is very heavy and the stalk sweet. The strain runs out in three years so be sure to get new seed, produced by a Seed Breeder, not less than every three years. Plant in rows, April to July; 8 to 10 lbs. to the acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid.

Schrock Kafir (Sagrain)

115 days. Produces 8 to 15 tons of green forage, fine for ensilage, or 40 to 50 bushels of light brown grain of excellent stock and poultry feeding value, and 4 to 8 tons of dry forage. Very quick growth and stools out remarkably, producing from 6 to 8 stalks per seed. Plant April to July, 6 to 8 lbs. per acre.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid.

Bonita Arizona State Certified

100 days. A hybrid of Hegari, Kafir and Feterita. Double Dwarf and very early. One of the heaviest yielders of the sorghum grains, producing from 35 to 50 bushels per acre. Suitable for combine harvesting. Plant from April to July, in rows, 8 to 10 lbs. to the acre. State certification of our seed guarantees quality.

Lb. 25c—2 Lbs. 45c—10 Lbs. \$1.50—
Postpaid

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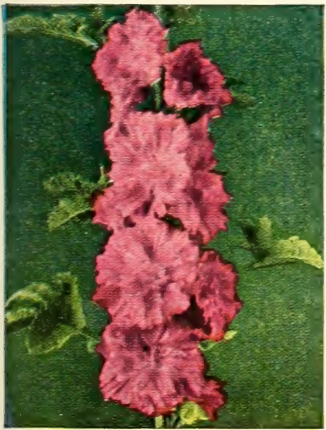
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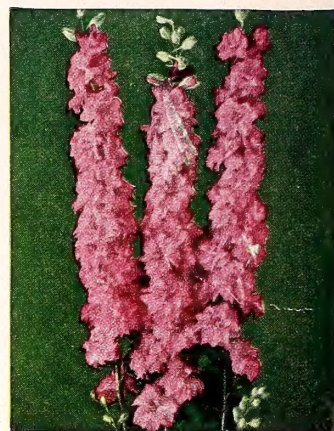




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